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**CONTENTS.**

<table>
<thead>
<tr>
<th>TITLE</th>
<th>PAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Editorials</td>
<td>197</td>
</tr>
<tr>
<td>Worcester Wins</td>
<td>198</td>
</tr>
<tr>
<td>'94 Half Way Thro'</td>
<td>199</td>
</tr>
<tr>
<td>The Bonfire</td>
<td>201</td>
</tr>
<tr>
<td>Communication</td>
<td>202</td>
</tr>
<tr>
<td>Notes by Entropy</td>
<td>202</td>
</tr>
<tr>
<td>Athletics</td>
<td>203</td>
</tr>
<tr>
<td>Admitted to Tech</td>
<td>204</td>
</tr>
<tr>
<td>Western Alumni Association</td>
<td>204</td>
</tr>
<tr>
<td>Athletic Association Meeting</td>
<td>205</td>
</tr>
<tr>
<td>B. A. A. Meet</td>
<td>205</td>
</tr>
<tr>
<td>N. E. I. A. A.</td>
<td>205</td>
</tr>
<tr>
<td>Elections</td>
<td>205</td>
</tr>
<tr>
<td>College Notes</td>
<td>206</td>
</tr>
<tr>
<td>Lectures by Prof. Young</td>
<td>206</td>
</tr>
<tr>
<td>Technicalities</td>
<td>207</td>
</tr>
<tr>
<td>Alumni Notes</td>
<td>207</td>
</tr>
</tbody>
</table>

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In all the discussion, pro and con, of the employment of a professional manager for college athletic teams there is one point of great importance which has been overlooked. It is the value of the training involved in fulfilling the duties of manager. Of course these duties are often unpleasant, and they demand much time. But it is to be doubted whether most college men, who have filled such positions, would not willingly devote even more time if they were to hold them again, rather than lose the business experience and the broadening which come to the successful manager of a college enterprise. On this ground, leaving out of the question all thought of the tendency to degrade sport, which is in itself a serious tendency, no college can afford to give over its athletic interests into the hands of salaried managers.

It would be a cause for satisfaction if the result of the recent team race between M. I. T. and W. P. I. were to be a healthy athletic rivalry between those two institutions. Two of the Boston runners expressed a desire that Worcester send a team down to the Interscholastic games which come March 4. These gentlemen still insisted on quarter-mile relays, but under some conditions perhaps it will be well to send men to compete even at that distance.

Whether this be done or not, why cannot representatives from the two Techs, and possibly from Brown or Tufts meet and consider whether it is feasible to form a small league for holding athletic and foot-ball contests? Worcester, Boston, Providence, and College Hill are all easily accessible, one from another, and there would be no necessity of losing time from studies to hold the meets. Such a league would do a great deal to build up in many ways the colleges of which it was composed.

Last June the W P I published an editorial against dishonest practices in examinations, but that editorial does not seem to have had very lasting effects. The extent to which such practices were carried on in the last semi-annuals was disgraceful. There is no need of repeating any part of that editorial; the students all know that " cribbing " is wrong from the start, and also know that its effects can be nothing but harmful. Perhaps the Faculty are a little remiss in looking out for such practices, and so the students are placed under temptation, but after all the cure can come only from the students themselves. The Faculty are not paid as policemen, and when they put the men on their honor they have the right to consider their
detective duties done. But that the confidence is violated continually is a deplorable fact. That future examinations will be free from such practices is earnestly to be desired, but the light of past experience indicates that unless different precautions are taken that they will not.

We know that the subject that we shall deal with in this editorial is decidedly a worn one, that in fact in one way or another it has furnished the theme for editorials ever since the WPI first lifted up its voice in behalf of reform. But the importance of the subject demands its constant repetition if necessary, and just now seems a fitting time to write.

It is very evident to the students and must be to some of the Faculty, that the way of ascertaining a student's real knowledge of a subject, is not by a four-hour examination at the end of a half year. Against written quizzes, as such, there is nothing to be said. In fact if more of the daily work was written it would be an advantage.

But to assign a student's standing, or even any considerable part of it, on his ability to answer, under strain, a limited number of questions and those of necessity covering a limited ground, is a matter of great difficulty at best.

Perhaps, in some cases where the work is of low standard, a searching examination is necessary, but where the work is above a certain standard there seems to be no reason why the students should not be allowed to pass without it.

All over the country, in all colleges, and even in the public schools, examinations are being abolished. The system in vogue here during the first half of the two previous years was a long step in the right direction, and, on the whole, was favored by the students. It is to be hoped that at no distant day that daily work will be the sole condition for judging of a man's standing.

---

WOORES TER WINS.

M. I. T. Beaten in an Exciting Team Race.

The W. A. C. invited the M. I. T. and the W. P. I. to take part in a team race at their tournament, Feb. 4th. Accordingly the directors of the W. P. I. A. A. wrote to the M. I. T. and tried to arrange for a two-mile race. M. I. T. would not enter in a two-mile, but would go into a mile race. W. P. I. then tried to compromise on a distance between a half and a quarter. But M. I. T. stood firm, and so finally rather than not run, Worcester Tech consented to run quarter-mile relays.


Worcester won the toss for the pole, but on the first lap Hurd took the lead and held it all the way, although O'Connor hung to him like a burr, and was only about four yards behind him at the finish. Then Lord and Allen flew around the track at a rattling pace; Lord if anything slightly gaining until the third lap, when Allen spurted just at the corner, and would have passed Lord had he not rushed head foremost into the sheathing around the outside of the track. He reeled for a second and then pluckily kept on. But Lord had a lead of eight yards, which he held.

Dearborn now ran for Boston and was opposed by the long-legged and agile Whipple, who didn't stop for corners nor anything else, and he finished less than a yard behind Dearborn. Batchelder set a corking pace, but Gallagher was good for it and passed him on the first lap. At the commencement of the second lap, however, he fell flat on the track. A cry of disappointment and sympathy arose from all parts of the audience. But the plucky little fellow was up and on after Batchelder in a flash. He ran the race of his life, and he won it, too, on the last lap. The tear down the home stretch was at a paralyzing gait. Batchelder fell over the line, but Gallagher alone breasted the tape. Time, 4m., 43 3-5s.; distance, 1m. 240 yds. Worcester Tech had won the race. M. I. T. was beaten at its own distance. The winning team will wear diamond pins set in solid gold as prizes.

The Boston boys regarded it as "hard luck" that Batchelder should fall just at the line, but Worcester did not win by luck in any degree.
She won by plucky uphill work and because her team was the better.

The other events on the programme included a forty-yard dash, in which H. L. Dadmun and D. D. McTaggart took part, Dadmun winning his heat, McGuirk, Suffolk A. C., winning the final; a match walk between Beaudette, W. A. C., and Doyle, S. A. C., won by Beaudette; 880-yard run, in which Dadmun was beaten for second on the home stretch, won by Coombs, Harvard; a mile walk, won by Beaudette, Strong, W. P. I., second with a handicap of 35s, Harris and Tilden, W. P. I., also being entered; a mile run, won by Poland, W. A. C., Baker, W. P. I., third; Eastman, W. P. I., also entered; a team race, 1 1-2 miles, between St. Anne's and Sacred Heart, O'Connor running for Sacred Heart, but St. Anne won the race; a running high jump, in which Brigham, W. P. I., did five feet, won by Chaney, H. A. A., and a pole vault won by P. J. Dowd, St. Anne A. A., Cram, M. I. T., second with an actual vault of 10 feet, 5 1-2 inches, and in which Derby, W. P. I., did 9 feet 6 inches. A. C. Comins, '93, was a field judge, and H. M. Southgate, '92, was inspector.

A large crowd, among them many Techs, saw the games, which were a great success athletically, the only drawback being a great amount of unnecessary delay.

'94 HALF WAY THROUGH.

Flick-Flick-Flick-Flick, Flick-Flick-Flick-Flick, Ninety-Four-Ninety-Four, Poly-tech-nic!

This was the cry that from early Wednesday night till late Thursday afternoon announced to those who didn't know, that '94 was half way through; and to those who did know, it announced that the event was being celebrated in grand old style.

Wednesday, Jan. 25, was the date decided upon by the committee, and the Commonwealth Hotel as the place. At 9.30 the members of the class began to arrive, and shortly after 10 o'clock the company formed twos and marched to their places in the dining-room. The tables were arranged in the form of a square with one side taken out, the class officers and speakers sitting opposite the open end. On being seated, the first thing to attract attention was the menu card. This consisted of seven leaves; the first served as the cover and bore an elaborate design with the words “Half Way Through.” The second leaf was the menu proper. The third interested the class greatly, as it contained pictures representing incidents in the school life and some of the peculiarities and expressions of the professors. The faces of those represented were remarkably well drawn and the members of the class were not slow in showering praises on the artists. The fourth leaf contained the names of the toastmaster and also the toasts and speakers. On the fifth leaf were printed the names of the present and past members of the class. The sixth contained a design representing a hurdler half way over a hurdle marked '94, with several hurdles behind him. Accompanying this sketch was the class yell, which introduces this article. The seventh leaf was a program of the entertainment which followed the banquet.

After laughing heartily at the grinds on the card the collation took the attention of all. Full justice was done to the many dishes and then the toasts were in order.

President Dwin nell introduced Harry L. Cobb as toastmaster for the evening. He started a general good feeling throughout the class by a short speech, and then introduced H. P. Lin nell who spoke on “Half Way Through.” He wished the class to look back as they came to the turning point and see the rocks and ced grass which had been passed and to avoid them on the row to the finish.

Various incidents which have occurred during the course, and which are of more interest to members of the class than to anyone else, were mentioned in a pleasing way. He said in closing: So unlike the men of other classes that have said they scarcely felt acquainted with one another, until the Half Way Through Supper, we can claim a union and an acquaintance that has been growing and been strengthened by a feeling that Ninety-Four ever has been and ever shall be a class where personal disagreements can easily be submerged and we can prove to others that as a class Ninety-Four is one body.

M. C. Allen was the next “Toaster,” and he had for a subject “Ninety-Four.” Most of the speech was strictly for Ninety-Four’s benefit, and was very much appreciated. Some very good puns on the names of members of the class were made. Pope, Abbot, Bishop and Clark, were mentioned as representing the class religiously. “And to Knight, gentlemen, after Eaton ourselves full and feeling Fuller, and before we retire to our Chambers,”—we were given a good bit of advice.

J. M. Gallagher answered “Athletics” and in an admirable way, too. Each contest in which Ninety-Four has taken part was reviewed and the contests to come were mentioned. Each member was appealed to to do his best in whatever line he was best fitted, and the assurance was made that the class would not lose its prestige.

THE WPI.
A. L. Clark made some very happy hits in "Looking Backward." The whole class went back with him and enjoyed over again the jokes and happy occurrences which have taken place.

C. N. Chambers took up the story from where Clark left it, and spent a few minutes in "Looking Forward." He represented the class at a reunion in Chicago, twenty years hence. All the class was there and listened to toasts from different members, who reviewed the twenty years previous. In this way the speaker had a good chance to show his ability as a prophet, which he did in a very pleasing manner.

C. A. Burt spoke for the "Ladies." He treated his subject in a very exhaustive way and showed that he knew what he was talking about. Here again some of the statements concerned solely Ninety-Four or individual members, and were all the better for it.

After Mr. Burt finished chairs were drawn up in front of the stage and each one prepared to witness the climax of the evening.

While the preparations for the entertainment were going on a business meeting was held. The election of officers was the chief business, the following being the result: President, C. W. Eastman; vice-president, C. A. Burt; treasurer, N. B. Hale; secretary, F. E. Killam; athletic director, E. B. Whipple.

The entertainment took place on a stage temporarily in one end of the hall. Mr. Baldwin opened the program with a well rendered cornet solo. The Indians, Messrs. Clark, Whipple, and Eaton, then gave an exhibition of club swinging which won the applause of all. The grand wind-up was a little scene entitled "The Bi-weekly Meeting of the Faculty," in which members of the class played the roles of members of the Faculty. The following is the cast of characters:

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Bi-WEEKLY MEETING OF THE FACULTY.

Homely T. Voller, Ph. D., Prof. of Geology
JEREMIAH.

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MAGGIE MITCHELL.

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GEORGE I.

Convergent Gladiators,

SPARTACUS.

T. D. G. Hydraulickus,

De Boss

Mr. Barnes of Barnstable.

Jonny Sin,

Prof. of Higher Diabolics

Pythagoras

Alfonso Holtz,

Inventor of Lightning

Benjamin Franklin.

Haarlos Garibaldy,

Prof. of Adverbs

Speakeshakes von Shiller.

Straightcut Can I Cut, Our Lightning Calculator, et cetera

VICTOR VON RICHTER.

Transit La Blanche, Road Master

TERROR ALBA.

Gilt Edge Benzol, (We never speak as we pass by)

ELEVATOR BOY.

Levi O'Trig, Feller of Clark's Factory,

Prof. of Primary Numbers

Docent Isaac Newton.

Polly Con McDoodle, Inventor of Printing

Mackinley Bill.

The meeting opened with the reading of the minutes and then came the "Faculty Song," which follows:

Song by the Faculty.

Oh! members of the Faculty we assemble here once more,
The object of our meeting is the class of Ninety-Four,
We'll give them marks and zeros, we'll condition them every one,
And then we'll fire them out, expel them, yes, every mother's son.

Chorus:
They're the frowniest class that ever was seen since
The Institute begun.
They're always out at night to start a little more fun.
They never have their lessons but the Prof's they try to bluff.
And for all their tricks and mischief they think they're quite the stuff.

Oh! the measly class of Ninety-Four, have now got
Half Way Thro',
And it's just the time to fire them, as we've always tried to do.
So here they go, yes, one by one there's sixty in a row,
Oh, the good ones and the bad ones they all must hoe the row.

Cho.

Oh, we'll wind them up and start them off clear out of
The Faculty's way.
They never did us any good except they paid their way.
They paid their way, we roasted them out of every cent they had,
And now it's what they need, we'll shoot them out for either good or bad.

Cho.
Oh, Gladdy says they're the very worst class he ever tried to teach.
They roll the spheres and throw the blocks and misuse the statues' beaks,
And the little Doc agrees to all the worst that Gladdy says,
For the gold and silver and precious stones always grow less and less.

Cho.

Oh, Descriptive Beals and German Coombs should not be mentioned last,
But they are only instructors, they cannot save the class.
And Shade-line Smith, 'Lectricity Rood may do their best endeavor,
But the wonderful class of Ninety-Four has got to go forever.

Cho.

And so you little janitor with the beautiful shining face,
Just trot right down, right thro' the town and order the hearse space,
We'll kill them all and swipe their money and send them home for dead,
For we've never done them any good, we've done them bad instead.

Cho.

Oh, is that so? Well let them stay, they'll only bring in more tin.
And we'll do our best to keep them all far from every sin,
For little men like Ninety-Four should always be as good,
As the Faculty they've often scared and over whom they've stood.

Cho.

They're the frowziest, lousiest, mousiest class since the Institute begun,
And by slow death they ought to die, yes, every mother's son,
But we'll let them stay and have their play, till Commencement Day does come,
Then we'll roast and toast and eat them, yes, just as should be done.

The "Faculty" then proceeded to regular business, and the audience was kept roaring with laughter at the methods of procedure. The meeting ended with a boxing match between two of the "Faculty" who did not agree on a certain subject.

It was three o'clock when the class found itself on Front street, and the march to the Tech began. Arriving on the hill,—after serenading the Doctor, who made a few remarks which abund-ed in puns we had already heard that night—we viewed the remains of our bon-fire which somebody had contrived to carry off. But with the zeal characteristic of '94 another load of wood was obtained, and at 4 o'clock the match was applied and '94 was satisfied. No, not yet satisfied. The class flag is yet to be raised on Boynton Hall. But after useless endeavors to get into the Hall, the party broke up at 5.15, and went home for a few hours sleep. Only a few hours however. No great demonstration again took place until the afternoon when the class congregated at Boynton Hall, and an effort was made to put up the class flag. Permission being refused by the President, the class proceeded to act on its own responsibility and the pennant was soon flying in the breeze. For one and a half hours it waved peacefully, and the janitor received orders to tear it down. On descending with the booty, he was met on the second landing by a party of students who demanded their property. Receiving a refusal, the party proceeded to use gentle persuasion and the janitor was soon hora de combat. Thus ended the celebration and a grand celebration it was. But the sequel was only 24 hours behind. The Faculty met and seven members of the class were suspended. It aroused the indignation of the class that a few should be punished for what all considered a class affair, and a remonstrance was made. Within a week two more meetings of the Faculty occurred, in which petitions were received asking that the class as a whole be punished for the offence and not a certain few who happened to be suspected. At the final meeting one of the unfortunate who proved he had nothing to do with the affair was reinstated. Three received two months' suspension, and three were suspended for six months. This decision, the Faculty declared to be final, and to the class it is a harsh punishment as it probably means the loss of several of its most prominent members. Regrets were expressed on every side, and all sincerely hope that the unfortunate ones will bottle up their indignation and swallow their pride and come back to the fold again.

---

THE BON-FIRE.

Where were the Middlers at?

The "Man in the Moon" was calmly thrusting his face out from behind a fleecy cloud, when his eyes fell upon a sight the like of which they have not seen since Ninety-one cremated the Washburn Shop sink. Stragglng up Tech Hill from various directions might be seen numerous pairs and trios of silent Seniors and jovial Juniors. Slowly they gathered about the storm door of
Boynton Hall and seemed to be waiting for something. About 9.30 two weeks ago Wednesday evening, the something came in the form of two loads of good fire-wood and one of tar barrels, which the Middlers in the exuberance of their spirits and generosity of feeling because halfway through, had contributed for the pleasure of their less fortunate schoolmates. The simple-minded woodman requested the students standing about to assist him in unloading. This they cheerfully did, and in a few minutes the combustibles were tastefully arranged and lighted in honor of the Middlers, who were meanwhile stowing away an unusual amount of cold baked beans, mutton hash and boiled eggs, at the Commonwealth Hotel on Front street. After all was vigorously blazing a number of patriotic yells were given, and then gradually the assembled crowd dispersed. About six hours later Ninety-four in all its glory appeared upon the scene, accompanied by a guard of Worcester’s finest. Elated at the celebration which already had been held, they at once shed tears to extinguish the ashes remaining, and then built a smaller and less glorious blaze, about which to warm their fingers, and this was Ninety-four’s bon-fire.

THE NEW PLAN OF STUDY.

Editor W P I:—

Many of our graduates were much interested in reading the plan of study for the four years course. Though this plan is the result of careful investigation and thought on the part of our professors, the increase of one hundred per cent. in the time allotted to thesis work may be unwise. Especially, is this increase more significant, since there seems to be a growing public opinion against the practice of devoting so much time to ordinary thesis work.

About a year ago, the Engineering News offered prizes for the best graduating theses. Unfortunately, no member of the W. P. I. competed. In its issue of Jan. 5, ’93, in reviewing the theses submitted for competition, the News says: “We are still inclined to believe that too much time is being expended on thesis work in some engineering schools.”

Instead of quoting more from that admirable article, the writer advises professors and students to study it.

Many graduates believe that the thesis drawing should be abolished. The idea among pupils as to a subject for thesis drawing is not so much to select one that might be instructive and helpful in their life’s work, but to obtain one that will “make a pretty picture,” and thus secure a higher mark. Probably, many civils have drawn machines of whose mechanism they knew nothing even after the drawing was completed.

Injustice in the ranking of thesis is unavoidable, since it is impossible for one to know the amount of time, study and skill expended on them. In the writer’s schooldays, while the “grinds” were “plugging” on their theses, the lazy fellows would be enjoying a game of whist. And the whist players received “A” on their theses. For instance, one man worked over an hundred hours in reviewing the design for a bridge, while a classmate in the same department spent about a fifth of that time on his thesis. The second received the higher mark.

The writer believes that if the thesis drawing for civils be abolished, the whole of the hundred hours be devoted to a thesis, it would be advantageous to the students.

One half of the hundred hours might be profitably spent in familiarizing the pupils with the engineering achievements of the present century, while the other fifty might be devoted to the study of sanitary engineering.

Far be it from me to criticise the action of our worthy professors, yet with a desire to awaken a discussion of this important question, I am and have been,

AN ANTI-GRIND.

NOTES BY ENTROPY.


Mr. Editor:

You remember, perhaps, that there is in each succeeding catalogue of the Institute a statement to the effect that graduates of the mechanical department are as skilful mechanics as ordinary apprentices who have served three years in a shop. While I was working in the W. M. S. I used to have considerable doubts about that statement. It never seemed to me that anybody could learn as much in six months under the Tech system of instruction as he could in three years under the ordinary system.

My opinion on this subject has received considerable modification, however. A little while ago I employed a young man who had served an apprenticeship in one of the best of Worcester’s shops. I made up my mind that here was a chance to test the truthfulness of the statement mentioned above.

I first put him to work at a lathe. After he had inquired what those screws each side of the tail stock were for, I began to think it best to go slow. Inquiry showed that four-fifths of his time had been served on small planer work. The rest of the time he had done some drilling,
a little straightforward lathe work, such as is given to juniors at the W. P. I. and the rest helping around on the setting-up floor. This told the whole story. He had been put at a small planer at some rough work. He had shown considerable “mechanical aptitude” for that kind of work. Inside of four months he was doing a journeyman’s work for $1.50 a day. The proprietors, being prudent and saving, did not want to throw away the difference between his wages and a journeyman’s, so he was kept there. Of course he kicked. Anybody that knew enough to learn the trade would have. He was put off with promises of other work, increased pay and was given a little lathe work, but some excuse always brought him back to the little planer. This is one case. It is about the same as the average. The graduate of most shops is good at some one thing but not at all. Any graduate of the W. P. I. would have been a better mechanic than this man.

But he had one thing that the Tech man hadn’t. He had had experience with cutting tools of every variety, he could make a tool cut smooth where the Tech man couldn’t. He had had experience in making good fits so that it was second nature to him to do a good job.

Six weeks work on a variety of jobs has put this man where he is worth more, as a machinist, than a Tech graduate.

* * * * *

There is one thing that they don’t teach in the W. M. S., and I am afraid they never will. That is how to handle heavy work. I have felt this lack of knowledge, I must confess, most keenly. Helpers who have done this kind of work know just about what ought to be done, but of course they wait for specific orders. If the boss can’t tell them just where to put that chain or how to block it and shift, he feels, to say the least, rather cheap to have to wait for a laborer to help him out. If you can’t show a man that you know more about things than he does you had better tell him to do a job and let him alone. If you interfere he will lose his respect for you and you will either have to discharge him or go yourself. 

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ATHLETICS.

The Senior Class has appointed a committee to act with committees from other classes in regard to athletic matters. The motion in the class meeting was made to include only the considering of the advisability of uniting the various associations which now manage the different branches of sport independently, under one head, as was formerly the case. There will, probably, be no objection, however, if the committee adopt some plan which the motion does not cover for recommendation.

There is no question but that all branches of sport are better managed now than under the old system, and the students must think carefully before voting to return to the old system. The present arrangement gives the management of any one sport into the hands of those most in touch with it,—a result hardly obtainable otherwise without bungling complications.

June 15, 1891, the W P I printed a communication in regard to athletics, the main suggestions of which were as follows:

“To have officers nominated at least a week before election, giving time to consider the merits of the man for the office. Most important of all, to have the control of all athletics of the Institute in the hands of a board of five directors, to be chosen as follows: one member each from the Senior, Middle and Junior classes, these members to be elected by the whole Athletic Association; one member of the Faculty, to be chosen by the Faculty; and one from among the instructors of the school, not a member of the Faculty, this man to be elected by the Athletic Association. The Senior member to be president of the Association and chairman of the board of directors, and the member from the instructors to be secretary of the board, and as such to keep all records, transactions, etc., of the board and the records of the association.

“The officers of the Association to be the same as at present. The idea of having no director from the Prep class might meet with opposition were it not for the fourth clause: ‘Each class, besides its own officers, to elect an athletic committee of two or three to look out for its interests, keep entries for field days and act as appealers in any dispute where their class is concerned. These committees to form material for minor details and to do a share of the arranging for games, etc., the board, however, always acting as referee.’

“This gives each class a better chance to protect its interests and puts everything on a much fairer basis than ever before. The board is not likely to be subject to very strong changes, i. e., many new men appearing at once, as the Faculty member and also the instructor member would be likely to be kept on the board during good behavior, and petitions, proposals etc., would have more influence, and affairs be better managed than could be done under the present form of association.

“The lack of a Prep director is owing to these considerations: The students on entering, are rather too young and inexperienced to have a hand in the supreme board, and it is the instructor to whom the Preps look, as their representative. It is easy to see that this representation would be of more value than a man who had just entered. Then again, the Preps have not had a chance to become well enough acquainted to be able to pick the most capable man in the class, and thus a better man will be chosen when they enter Junior year than would be if they had elected him in Prep year.

“They would of course have their own athletic committee, and would have equal claims for supremacy through representation by an older man and one who had more influence.”

There are some points in the above which are worth noting and which might, with modifica-
tion, be adopted. One is having the Faculty and Instructors represented on the directors, and another the nomination of electors previous to election. It might be advisable to have each class nominate at least three men out of whom the A. A. could elect two directors, for this number is none too large.

A director from the alumni, or, at any rate, an advisory Alumni Board, would be a valuable feature.

The committee have the opportunity for valuable suggestions, and it is to be hoped that they will improve it.

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ADMITTED TO THE TECH.

The Largest Number Examined in the History of the Institution.

At the entrance examinations 91 applicants appeared, the largest number at any one time in the history of the institution. Of these 75 were admitted, 64 of whom have entered the apprentice class, and 11 will enter the following class in September. The list is as follows, with age and residence, those starred waiting till autumn:

- Alderman, G. D., 20, Middlefield.
- Alford, L. P., 16, Plainville.
- Barbours, P. E., 17, Bath, Me.
- Bascom, F. P., 17, Clinton.
- Beaman, E. E., 18, Nantucket.
- *Benchley, E. N., 17,
- Beyer, N., 18, Brooklyn, N. Y.
- *Braman, W. W., 18, Amesbury.
- Brown, E. E., 19, Milford.
- Carpenter, H., 19,
- *Carroll, W. E., 20, Chalfant, C. C.,
- Chalfant, J. W., 17, St. Johnsbury, Vt.
- Coe, T. H., 17,
- Congdon, F. E., 17,
- Crawshaw, W. D., 19, St. Paul, Minn.
- Cullen, E. L., 20, Rochester.
- Cunningham, W. H., 20, Rochester.
- Currier, H. E., 18, Rochester.
- Darling, E. F., 19, Rochester.
- *Davis, W. S., 19, Rochester.
- Eddy, G. W., 18, Rochester.
- *Ellenwood, G. H., 18, Rochester.
- *Fletcher, H. G., 17, Rochester.
- Fuller, W. M., 19, Rochester.
- Gay, F. W., 19, Rochester.
- Geler, F. L., 19, Rochester.
- Gibbs, G. S., 19, Rochester.
- Gifford, A. J., 17, Portsmouth, N. H.
- Goodrich, P., 18, Clinton.
- Harris, C. R., 21, Whirlingville.
- Higgins, J. W., 18, South Lancaster.
- Hoyle, E. G., 19, Providence, R. I.
- *Jencks, H. W., 21, South Lancaster.
- Jordan, C. B., 23, Providence, R. I.
- Knowles, F. E., 18, New Britain, Conn.
- Lamson, T., 18, Holden.
- Mayo, J. B., 20, Turner's Falls.
- Mcclure, H. T., 17, Peabody.
- Meriam, A. W., 20, Gardner.
- Moore, P., 18, Louis ville, Ky.
- Mosman, E., 21, Harvard.
- Nikiforoff, S., 24, Worcester.
- Phelps, H. G., 18, Clinton.
- Poll, R. W., 17, Providence, R. I.
- *Pond, A. N., 20, Auburn.
- Putnam, S. W., Jr., 20, Mexico, Mex.
- Reed, C. A., 19, Winchester.
- Riley, S., 20, Winnipeg, Man.
- Ross, F. E., 18, Leicester.
- Sibley, A. A., 18, Framingham.
- Smith, F. W., 20, Mendon.
- Southwick, W. S., 19, Worcester.
- Stockdale, F. A., 18, Providence, R. I.
- Stone, A. B., 18, Providence, R. I.
- Sullivan, C. D., 18, Concord, N. H.
- Titon, J. C., 19, Concord, N. H.
- Tuner, De W., 18, Worcester.
- Vaughn, C. F., 18, Providence, R. I.
- Waite, C. L., 20, Providence, R. I.
- Walter, C. V., 20, Brooklyn, N. Y.
- Warren, H. M., 17, New Britain, Conn.
- Whittall, M. P., 19, Rochester.
- *Wild, F. S., 18, New Britain, Conn.
- Walton, H. R., 20, Rochester.
- Young, G. E., 21, Leavenworth, Kans.

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WESTERN ALUMNI ASSOCIATION.

We have received from E. F. Simonds, Secretary, a copy of the constitution of the Western Alumni Association of the W. P. I. The object is stated to be the affiliation of graduates and the furtherance of the Institute's interest in the West, regular meetings to be held in Chicago on the second Tuesday in November. All graduates are eligible as members, and persons receiving honorary degrees from the Institute, and others who may be voted upon, are eligible as honorary members. The officers are, as usual, the executive committee, consisting of the three officers and two besides, all being elected at the annual meeting.

Art. VI. being somewhat novel, we quote it entire:

**ARTICLE VI.**

The annual meeting of officers shall be held on the same day as the annual meeting. Nominations may be made in writing, signed by any five members, and filed with the Secretary at least four weeks before the election. The Secretary shall prepare a ballot upon which the names of every candidate so nominated for each office shall be printed, which shall be mailed to each member of the Association. Members shall designate the candidates for whom they wish to vote by placing a cross after the names thereof, and no ballot shall be counted other than the official ballot prepared by the Secretary.
The Executive Committee shall appoint three inspectors to conduct the election, who shall receive and count the votes and report the result thereof in writing to the President, who shall declare the same to the annual meeting. A plurality of votes shall elect, and in case of a tie between two or more candidates the inspectors shall decide the same by lot.

The officers elect shall not assume their respective offices until after the annual meeting.

Eight members of the association and three of the committee constitute a quorum, but one member may adjourn the meeting. Initiation fees are fixed at $2.00, dues 50 cts. per annum; but the committee may levy extra assessments. The exact place of meeting is determined by the committee 60 days in advance, and the cost of entertainment divided equally among those attending.

A two-thirds vote cast by letter, as in Art. VI., revises the by-laws.

The officers are as follows:—T. E. Wilder, '74, Prest.; J. W. Kendrick, '73, Vice-Prest.; E. F. Simonds, '73, Secy. and Treas.; and the Executive Board consists of the President, Vice-President and Secretary, in connection with C. F. White, '75, and J. B. Allen, 80.

ATHLETIC ASSOCIATION MEETING.

The meeting was called to order at noon, Feb. 7, by Pres. Dyer. A report of the treasurer showed $111.10 in the treasur. The report of the committee to consult the Board of Governors of the W. A. C. in regard to the Intercollegiate Sports was that the club would not hold out any inducements to the association, but if the sports were held here, they would do all in their power to make them a success. The report of the committee was accepted.

The committee appointed, in regard to an entertainment, reported unanimously in favor of a musical burlesque, written by a friend of the Institute, to hold the entertainment in the theater, and that the chair appoint a committee of three to have general charge of the entertainment; and that the association elect a Business Manager, who should look out for the finances. The report was accepted and adopted. The committee appointed were S. H. Rood, '90, chairman; W. H. Parker, '93; F. F. Phinney, '94. N. Heard, '93, was elected Business Manager, and the meeting adjourned.

B. A. A. MEET.

At this meeting which occurs Feb. 11, in the Mechanics Building, Huntington Avenue, Boston, there are to be team races between Worces-

ter A. C. and Suffolk A. C., Yale and Harvard; and Dartmouth and Amherst. There will also be match races between Alison, Worcester, and White, Suffolk; and McLoughlin, Worcester, and Rowe, Suffolk. Many colleges and athletic associations will also send teams.

N. E. I. A. A.

The Amherst Student publishes a series of letters from the editors of the various colleges composing the association, and the opinion of all except Brown and the W. P. I., is in favor of Springfield as the place for the sports.

The convention occurs Saturday, Feb. 11. The constitution may be amended in regard to the 5–3–1 rule of giving points, but the standing jumps cannot be thrown out as the required notice was given by no college desiring the change.

ELECTIONS.

Ninety-Three.

The Senior class met in room 19, Tuesday noon, January 31st, for the election of officers. An informal ballot for the nomination of candidates for President was taken, and as Mr. William H. Parker received a very large majority the ballot was made formal by a unanimous vote. Mr. Louis W. Rawson, Mr. A. D. Butterfield and Mr. C. H. Andrews were elected President, Vice-President, Secretary and Athletic Director, respectively, by acclamation. The Treasurer, Mr. Norman M. Paull, was elected for the year last September.

Questions in regard to class photographs and Commencement affairs were discussed, and Messrs. Flinn, Paull and Phillips were appointed a committee to “concoct a scheme” in regard to the latter. The President, Secretary, and senior Athletic Director were also appointed a committee to confer with a similar committee from each of the other classes as to the advisability of uniting all the athletic interests of the Institute into one association.

Ninety-Five.

A meeting of the Junior Class was held Feb. 3, and the following officers were unanimously elected: Prest., A. G. Warren; vice-pres., G. A. Dunn; secretary, N. C. Thrasher; treasurer, H. S. Davis; athletic director, A. W. Doe.

Ninety-Six.

At a meeting of the Class of '96 held Feb. 4, the following officers were elected:—Prest., F. D. Crawshaw; Vice-Prest., J. W. Higgins; Secy., R. W. Polk (R. S. Riley pro tem.); Treas., F. Gay. 1st Director, F. Knowles; 2d
COLLEGE NOTES.

The Pennsylvania is the name of a new college daily, issued from the University of Pennsylvania.

Prof. Albert Harkness of Brown, the well-known authority upon Greek and Latin, has resigned.

The living alumni of the University of Michigan number 10,608. Harvard's include 5,508 members and Yale's 4,618.

The new Yale gymnasium was formally presented to the University, Jan. 24th. Its cost was $222,000 of which all but $5,000 has been raised.

There are thirty candidates for the Amherst nine. Trainer Nelligan thinks a second nine is of no use, and all games played will be outside the college.

Dartmouth has more graduates in North and South Dakota and Nebraska than either Yale or Harvard, and in the Western States generally she has a larger per cent. of alumni than these universities.

Smith College girls will this year omit the usual great reception of Feb. 22d, to which so many New England college boys pray for invitations, and instead, informal dances will be held at the various college houses.

The Wesleyan Foot-ball Manager's report shows total receipts, $3,822.13 and expenses $3,809.20; these with $927.93 assets and $1,026.11 liabilities, give a deficit of $98.18. Among the items of receipts are: Subscriptions from undergraduates, $498.00; from alumni, $100; from out of town games, $2,465.36.

The following scientific (?) notes from the Ogontz Mosaic will be found extremely interesting to students here. Either the course in science there is extremely limited or very much advanced beyond ours:

"For blasting purposes in Sweden, electric wires have replaced dynamite. The wires are inserted into the rock, then heated; the sudden heating rends the rock in pieces quietly and effectively, and without peril to human life." No explanation is given, but probably the rocks are drilled to a gauge-fit with the wire, and the expansion of the heated copper causes the rock to "quietly and effectively" burst.

Another note in referring to the transmission of electric energy from Niagara Falls to Chicago, adds, "but some practical electricians urge that since the electric force of the current decreases as the square of the distance increases, it will be next to impossible to do this—the resistance would be too great."

Yale University and the college world in general has been stirred up more vigorously than for years before, over the recently proposed changes in the athletic rules. The managers of the several teams approved of a plan barring out from 'varsity athletics all members of the graduate and professional school and all undergraduates not in good standing or who had at any time played on an athletic team of any other college. The movement was a blow aimed at professionalism and would undoubtedly have done much to discourage that element, as it would tend to prevent the practice of going to the university solely or at least principally for the athletics. Among the men thus barred out were O'Neill from Holy Cross of this city who has done such good work in base-ball and foot-ball. The decision at first received but little opposition from alumni and undergraduates, but in a few days much discussion was evoked. Newspapers throughout the country took the matter up and excitement ran high. As a result, a meeting of the entire university was called and there, by vigorous action on the part of law students especially, the action of the athletic managers was overruled by a vote of about five to four.

LECTURES BY PROF. YOUNG.

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As Prof. Young is authority in astronomy, and has made a special study of the sun, we advise all who possibly can to go. The low price of tickets, $1 for the course, is a great advantage, and at this price the hall should be filled. Tickets may be procured of L. P. Strong.
TECHNICALITIES.

"You dear girl!"
"Yes, I do come high, but you must have me."

A certain Tech was heard described the other day as a "walking encyclopedia, bound in calf."

The Star Foundry, corner of Washington and Lamartine streets, this city, was shattered by an explosion last Thursday at 3.30 P. M. Cause said to be the dropping of the hot iron from the cupola into damp sand. One man was fatally injured and several others slightly.

However high the standing of Mr. Prep in United States history, he can hardly be considered a member of the W. P. I. until he can satisfactorily answer the question: "Who was — — — — ?" And as a rule after the "Doc" has once heard him answer it satisfactorily, he can hardly be considered a member of the Institute.

The W P I acknowledges the receipt of the wedding cards of Fred C. Hodgman and Miss Clara Bell Brown, who were married at Trenton, N. J., Jan. 26. At home after Feb. 15, 129 Pond street, Providence. We return our thanks for the remembrance, and extend to the happy pair our best wishes for a prosperous and happy career.

The severity of the punishment of the Tech middlers, who hoisted their class flag on the school tower after being refused permission so to do, and then assaulted the janitor, who hauled it down, has been mitigated so that only three are suspended for the rest of the school year. Three others get off with light sentences. There is evidently a screw loose somewhere in discipline at the Worcester Polytechnic Institute. — Boston Herald.

ALUMNI NOTES.

'81. J. H. Churchill is solicitor of U. S. patents, room 851, No. 53 State street, Boston.
E. D. Priest is assistant engineer, General Electric Company, in railway department, Lynn, Mass.
'83. S. D. Leland is superintendent of the Keating Wheel Company, Holyoke.
'84. R. H. Aldrich, firm of Aldrich & Wormstead, mechanical engineers, Buffalo.
'85. F. W. Fisher, is superintendent and engineer of the Calumet and Chicago Canal and Dock Company.
F. K. Rogers is supervisor of manual training in the St. Paul schools.

F. N. Sanderson is superintendent of the Electric Light and Power Company, Abington and Rockland.
W. J. Woods teaches manual training in the Durfee High School, Fall River, Mass.
Ralph Woodward is superintendent of the gasworks, Peru, Ind.

'86. C. Alvord is with Schaum & Uhlinger, manufacturers of textile machinery, Philadelphia.
H. W. Curtis is solicitor of patents with Dayton, Poole & Brown, Chicago.
H. J. Chapman is in the New York office of Norcross Brothers.
C. E. Cleveland is with John Chase & Sons, manufacturers of woollens, Webster, Mass.
H. S. Green is secretary of the W. H. Burns Company, Worcester.
H. C. Hawks is treasurer and manager of Hawks' Electric Company, No. 174 Summer street, Boston.
J. C. Miller has charge of the shop of the public manual training school, Chicago.
H. B. Sawyer is instructor of physics in the St. Paul High School.

'87. H. H. Boyden is with S. S. B. and D. Co., Providence.
G. C. Davis is chemist at the Pottsville Iron and Steel Company.
F. L. Emory is principal of the Tech. High School, Indianapolis.
F. W. Morse's class was incorrectly given as '92 in our last issue.
C. B. Murray is chief chemist at the Edgar Thompson Steel Works, Braddock, Pa.
G. A. Ward is draughtsman with the Morgan Construction Company, Worcester.

'88. George E. Camp's address is 85 Piedmont street, Worcester.
E. W. Gilman has been made secretary and manager of the Ingersoll Rock Drill Company.
C. L. Griffin is chief draughtsman of the Shaw Electric Crane Company, Muskegon, Mich.
George F. Myers is an electrical mining engineer at Pittsburg.
F. W. Speirs is secretary of the "People's Institute," Milwaukee.

'89. A. P. Allen is with the Long Distance Telephone Company, Chicago.
A. W. Gilbert is chief engineer of the railway department, Pennsylvania General Electric Company.
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