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FACULTY vs. FOOT-BALL.

When the WPI printed in its columns last June the statement, "with the opening of the fall term another season of foot-ball will begin," nobody suspected for a moment that October would come and the school be found without the usual eleven. But such is the case. The field that a year ago echoed and re-echoed to the shouts of "tackle low," "play sharp," and like phrases, is now silent and deserted, and the goal-posts stand up as mute reminders of the departed glory of the Tech. It is not hard to explain this condition of things. No lengthy argument is needed. The whole situation is expressed in a single sentence. The Faculty have put their stamp of disapproval on the methods of playing the game at the school and have made such restrictions as to render its successful continuance entirely out of the question. Why and how this was done is fully told in the news columns of this issue, and opinions on the subject are presented which have far more weight than any we could express here. The school paper, published in the interests of the students and alive to everything that concerns their welfare, regrets exceedingly this attitude of the Faculty with respect to foot-ball. We do not question the motives that have influenced them in this step. We believe that the Faculty have the best interests of the school at heart. We do not think they would wilfully refuse anything to the advantage of the students who are under their protection and care. Dealing with the mere facts of the case, however, it is quite evident that a mistake has been made. There appears to be a misconception of the needs of the Institute in athletics. A school whose proud boast is that it trains the hand as well as the brain makes no provision for a sound body. It is all very well to say "exercise is beneficial, judiciously taken," or "gymnasium training is most excellent." We want a practical illustration. We want encouragement. We want the inspiration of your presence at our athletic contests. We want your financial support. We want to see you, in heart and word and deed, in accord with what is right and just in this matter. Foot-ball at its best in the school needs care-
ful fostering. It is impossible to run an eleven with such restrictions as have been placed on the game this fall. It is wholly out of the question to play football without some element of excitement in it. There is no excitement and consequently no incentive to play in going out on the field and kicking a bag of air around simply because it is a bag of air. Match games are necessary, and because the team will be obliged to go out of town occasionally, the stamp of condemnation must be placed on the whole business! O, these memories of England's foot-ball fields! What interesting reading a book entitled, Tom Brown at the Worcester Polytechnic Institute, would make. We deplore this tendency to stamp out athletics from the school. It is a poor argument to say that it interferes with school work. Even if it did, it would well be worth the sacrifice. Every educational institution of any importance in the country is practically demonstrating day by day and year by year its belief in "a sound mind in a sound body." Is the Worcester Tech at the head of the procession? Is it in the procession at all?

COLLAPSE OF THE Q. T. V.

The local branch of the Q. T. V., a secret society having chapters at Cornell, Orono (Me.), Dartmouth, Amherst Agricultural College, and elsewhere, has now practically become a thing of the past. The annual meeting of the grand lodge which was held in this city last spring did not seem to have much effect in strengthening the organization. The effect was quite the reverse, as far as the Worcester chapter was concerned. The trouble with the Q. T. V. is, that it cannot confer any real benefits upon its members. There would be some advantage in joining a society that would be a help in a social way, or that would aid a member in scientific research, but there is not much use in joining one that has no influence whatever. There is room at the Tech for a good secret society. It must be admitted that we are pretty badly off in a social way. Hardly a ripple of pleasure or relaxation breaks the dull monotony of school life from one year's end to the other, except from outside sources. Many fellows go through the school in a perfunctory sort of a way without becoming acquainted with anybody outside of their class, their teachers and their boarding mistresses. A society which could be a help in this direction would prosper, without a doubt. If the right men take hold of the scheme there is no reason why it should not succeed.

THE RELATION OF MECHANICAL DRAWING TO CHEMISTRY.

The Senior chemists have made their annual kick against the regulation that compels them to spend valuable time during the first term in the draughting room, considering subjects that have no relation to chemistry, but are of importance only to the mechanical engineer. This year the petition was granted and the time will be spent on the subject of organic chemistry.

The chemists made a good point in objecting to a course of drawing that
has little or no effect upon their chosen study. We do not know very much about chemistry but we are under the impression that the chemist does not lie awake nights to think of cabs and radial arms. It may be true that he has a drawing-board and instruments concealed about his laboratory, but we have been unable to find them. The black-boards of Boynton Hall often show many evidences of the chemists’ ability to draw, but the figures are very simple and seem to hardly require an extensive acquaintance with the internal economy of the steam pump that was about to be drafted when the petition was granted.

Of course we may be mistaken in this view of the matter. When the chemists of recently graduated classes applied for situations, they may have written: “Dear Sir, During the first half of my Senior year I worked six hours a week on the side elevation of a steam pump. Can you give me a job as milk inspector?” If our Tech graduate is a public analyst, and a man comes into his office with a sample of Blackstone river water which he wants analyzed, our chemist may remark: “Excuse me one moment, sir, while I consult the sheet of cams that I drew during my last year at school.” This may be the real state of affairs, but we do not think it is.

Ninety’s chemists are to be congratulated on the success of their petition. Now the question arises, must a thesis drawing be made?

If a few more parties from the Tech visit the steel works, the company will be bankrupt, for they don’t assume to furnish the masses with specimens of spiegelisen and ferro-manganese.

**REPAIRS AT BOYNTON HALL.**

Long-needed Alterations and Improvements Transform the Old Building into a Modern Structure.

The last year has seen many changes in the facilities of the Institute, and at present the buildings connected with it are provided for in every department in as complete a manner as it has been possible to furnish them. A year ago this time the Salisbury Laboratories were in the first stages of construction. To-day they stand finished and are as complete in every particular as those who have had charge of their equipment could make them.

A year ago Boynton Hall was, outwardly, a very respectable looking building, but inwardly it was a musty, poorly ventilated and very faded sample of 1868 architecture, with several rooms which were totally inadequate for the uses to which they were put. To-day a complete metamorphosis is the result of the work of the vacation, and in place of the bald-headed, gray-whiskered structure, worn and decrepit, we have a building with a new slate, copper-lined wig, with asphalt siders, filled to overflowing with the elixir of a new life. With the Salisbury Laboratories and the new Boynton Hall, our Institute would be a model one if the Faculty would only get out their Roman battle-axes, cut down the fences which confine them to the long and narrow lane in which they are stumbling and let the athletic work of the school keep pace with these many changes. How convenient the new basement is for those wishing to exercise on Dewey’s field and what a pity it is that we are deprived of this advantage!

The new basement is a model one, occupying, as it does, the whole western third of the basement. Ample room has been provided for all the students who can possibly use it for several years to come. The floor is of Portland cement and the lockers are large and roomy. There are 229 lockers, each with lock and key of approved pattern. Each locker contains a shelf at the top, making it very convenient for students desiring to leave books or papers at the school. The toilet room is also furnished in the best possible manner. It contains eight 14” “new departure” bowls, of earthen ware, with countersunk slabs of best blue-veined Italian marble and plain marble backs 12”
high. The faucets are of a new pattern called the "Worcester self-closing faucet." Some benevolent individual has also left a white china mug for the use of the boys. It is having a hard time all by itself but seems to stand it pretty well. This will no doubt be very useful in the future, as the boys can stand in line and wait for it and then enter excuses something after this style: "Had to get a drink; was number seven in the line." There are eight of Boyle's "square unique" closets, each being connected by a 2" copper ventilating pipe with a larger pipe at the ceiling, which pipe connects with the chimney. The urinals are like those in the Salisbury Laboratories and are made of slate in the best possible manner. The floor of the toilet room slopes towards the north, so that it is only necessary to turn on the hose in the basement to give the room a thorough washing, the water running off in the gutter on that side of the room.

The remaining two-thirds of the basement is used for the new boiler and as a store room. The new boiler is an Allen Bros.' forty horse power boiler, and is used to heat the building instead of getting the heat from the shop. This prevents that very disagreeable thumping which has been so obnoxious to teachers and students in the work of the day during the winter months of years past. The first floor has undergone many changes. John's old room, once the receptacle of old shoes, base ball bats, and back numbers of the W P I, is a thing of the past, and gives place to the new stairway to the basement. More light is given to the bulletin board and the hour plan by the addition of two windows in the doors at the west entrance to the building. Professor Kinnicutt's old rooms have been remodeled, and in place of the old chemical laboratory we find a well lighted drawing-room for the civils, while Professor Kinnicutt's former store-rooms are now used by Professor White as a private study and recitation room for his classes. The old six by twelve wardrobe is gone. No more crowding, crushing, jamming, banging, and other "ings," will happen there in the future. The room is now used as a store-room for the instruments used by the civils.

Messrs. Allen and Tracy are not over-looked, and their room has been provided with a new wash bowl similar to those in the basement, besides being repainted and cleaned as were all the rooms in the building. Professor Cutler's former quarters are now used as a store, post-office, waiting and reading room. The old physical lecture room has been remodeled and is now used as a recitation room by Professor Eaton for the Juniors. The east door has been closed up, and new blackboards have been put in all around the room. The old physical laboratory has been transformed into a library and reading room.

A fire-proof vault, about six feet high and two feet deep, with an iron door, has been let into the wall in the office. This can be used to lock up the records of the school for safe keeping. It might also be used as a sort of dark hole to put students in while they think up excuses for over five marks. The latter use would be very profitable to students, as solitary confinement would quickly grind out the necessary excuses and would save much lost time caused by needless suspension. There is great danger, too, that this cage may be used for the punishment of whistlers. Anyone placed in the cage might whistle from one day's end to the other and not disturb anyone. No doubt the rest of the Faculty felt like putting Prof. Kinnicutt in and closing the door on him, when, as rumor has it, he was liberal minded enough to favor the football petition. His rescue would have been immediate, however, as the wishes of every student in the Institute were with him.

A toilet and coat room for the use of the Faculty has been fitted up right opposite the office. It has been provided with a wash bowl, hooks, mirrors, and everything that makes such a room complete in detail.

The second floor has not undergone so many changes. The old coat room, used for the last time by the class of '89, has been boarded up and is now used as a store-room for mineralogical specimens. The chemistry lecture room has been painted and varnished, and Pres. Fuller now occupies it with his classes in general chemistry. Professors Haynes and Smith have changed rooms. Prof. Gladwin has had his room overhauled, repainted and varnished, and all the desks have been var-
nished. The old chemical balance room is not in use.

On the top floor many changes have been made. The chapel has been wholly repainted, including the chairs and walls, while the ventilation of the room has been greatly improved. The room opposite the top of the stairs is used as an editorial room by the WPI board. The skylight over the top of the stairs has been put in during vacation, and makes the approach to chapel much more light and cheerful.

The mechanical drawing room has also received its benefit, having been painted and varnished. A new skylight about ten feet square has been made on the roof over the centre of the room, which materially increases the light in the room. One of the Worcester self-closing faucets has also been put in the sink in the east corner. The roof has been made almost perfect. One-third has been covered with copper, and where copper is not used it is covered with asphalt. The whole has been slatted, making the roof completely water-proof and as perfect as possible. Before the repairs were made the roof was lower toward the centre than at the edges and the water was thus kept on the roof. Now the water is drained by six copper gutters which project out between the dormer windows about four feet. Not much has been done to the tower with the exception of regilding the weather vanes.

All the rooms and halls in the building have been repainted and kalsomined, and many have been plastered. New blackboards have been put in wherever they were needed, and many of them are all slate. The boards in Professor White's room are wholly of slate. The ventilation of the whole building has been re-arranged and transoms have been put in over the doors. All defective pipes in the building have been carefully repaired and the joints tested in the most thorough manner. The whole charge of the carpentering and the general arrangement of the work has been in the hands of S. I. Howard of this city, and that he has done his work well is seen in the result. Stephen C. Earle was the architect and the plumbing was done by George W. Knapp. The firm of P. Foster White & Son had charge of the plastering, and the painting was in the hands of A. G. Estabrook. The work has been hustled along and as many as fifty men have been employed at one time in the building. For all these changes the school is indebted to two members of the board of trustees, Stephen Salisbury and G. Henry Whitecomb. The comforts and conveniences given to us and our followers by their generosity will be remembered for a long time. The WPI can voice the unanimous appreciation of all members of the Institute for these much-needed improvements. In Boynton Hall, in its present condition, and the Salisbury Laboratories, we have two perfectly equipped buildings.

THE SALISBURY LABORATORIES.

Without Any Formal Exercises of Dedication the New Building Starts on Its Career of Usefulness.

In the May number of the WPI, an account was given of the new laboratories and their capacity for scientific research. At that time the building was barely finished and was closed to the students. With the new year, however, the rooms have been thrown open, giving ample opportunity for testing the completeness of their construction and equipment. The result has been an increase of interest and activity that was somewhat conspicuous for its absence last year. The professors and their assistants have been very busy during the summer receiving and setting up the immense amount of apparatus necessary for so large a building. This is especially true of the mechanical laboratory, the furnishing of which calls for a large amount of heavy work. Lines of shafting will soon be placed in position to run the two engines in the north room and the heavy testing machines in the room across the corridor. An ingenious arrangement of valves over the boiler admits of the use of three different pressures at the same time. Until the shafting is put up, however, there will be no opportunity to test the new apparatus. Professor Alden has already received several models for the model-room. Others are expected and this room will soon make an interesting study for anyone who can appreciate ingenious devices in mechanical movements.

The departments of chemistry and physics are finely appointed, giving opportunity for accurate research in a variety of channels.
that have heretofore been closed to students for want of room and apparatus. Some of the instruments in the physical department are especially valuable and costly, and are designed to admit of a great degree of accuracy in the experiments and observations made with them. A single illustration will serve to show the accurate character of the work that marks the investigations in this department. The constant temperature room, as its name implies, is designed for experiments requiring observations to be made at a nearly constant temperature. The room is constructed with double walls on the sides toward the corridor and outside wall of the building. Double windows secure the interior from outside currents of air. The ceiling contains a large glass skylight which is opened slightly to allow the hot air above to enter the room. By this arrangement the hot air enters so gradually that the possibility of currents is reduced to a minimum. Professor Kimball is at present engaged in comparing his scale of the yard and meter with those of Professor Rogers of Harvard whose scales are exact copies of the government standards. The process is necessarily a slow one because only three observations can be made during the day, the heat of a body being sufficient to change the temperature in a few moments. For these observations a temperature of 16½ degrees Centigrade is normal, and during the month of September, marked by extremes of hot and cold weather, the temperature of this room remained within two degrees of that point. When it is known that corrections to the one-hundred thousandth of an inch are observed and noted, it will be seen that the results will give a scale as nearly perfect as it would be possible to obtain. The care taken to get the best for the equipment of these fine laboratories is noticeable throughout the building and thus the new year begins, full of promise for the future of the Institute.

THE CLASS OF EIGHTY-NINE.

Eighty Per Cent. of Its Members Hard at Work in Desirable Situations.

Mr. Andrews has a position as chemist with the Pennsylvania Lead Co., whose office is at Pittsburg and whose works are a short distance from the city.

Mr. Baldwin is frequently seen flitting about the streets of Worcester picking up news items for that city journal which was recently dubbed by a local contemporary "the paleontological Spy."

Mr. Desper is filling the position recently occupied by Mr. Patterson, '88, as assistant in chemistry at the Institute.

Mr. Houghton has been engaged as assistant in the physical department at Wesleyan University.

Mr. Hathaway sticks to the rod and transit, having accepted a position as an assistant engineer on the Boston and Albany railroad.

Mr. Putnam and Mr. Stowe have linked their fortunes which they expect to make with the Edgemoor Bridge Works of Wilmington, Delaware.

Messrs. Allen, Baylis and Kimball are assistants in physics at the W. P. I.

Mr. Armstrong is engaged in setting up engines for the Westinghouse Co.

Messrs. Ball, Sessions and Sawyer have gone to that great nursery for newly fledged Techs, the Deane Steam Pump Co.'s works, at Holyoke on the Connecticut.

Mr. Bartlett is at the Lawrenceville Academy in New Jersey. His branch is drawing, both mechanical and free-hand; and we imagine we hear him exclaim "Parallel lines converge, converge!"

Mr. Bean is assistant in the mechanical department of the W. P. I., his duties being to a large extent the supervision of the Seniors and Middlers in draughting.

Mr. Bigelow is head draughtsman in the Washburn Shops, and sometimes shares his authority with Mr. Southgate, who is assistant.

Mr. Daeson is draughting for the Holyoke Machine Co. of this city.

Mr. Gilbert is at Lynn working for the Thomson-Houston Electric Co.

Mr. Hadley is employed at the electric light station in Gardner, Mass.

Mr. Harriman is at the Newburyport electric light station of the Thomson-Houston Co.

Mr. Penniman is with Darling Brothers, contractors, of this city.

Mr. Pickwick is at St. Paul, Minn., where he is an instructor in the manual training school.

Mr. Gomes has been studying at Paris,
but his present location is not accurately known.

Mr. Hartwell is in the employ of Charles F. Batchelder, contractor, of this city.

Mr. Marshall is in his father's shoe shop at Brockton.

Mr. A. I. Gardner has a position as teacher in the manual training school at Washington, D. C.

The remainder of the class, which comprises F. H. Brophy and J. W. Mills, chemists; R. F. Gardner, I. L. Rhenan and Frank Leland, mechanics, and R. W. Smyth, are as yet not definitely located, though most of them have positions in view. It will be seen that nine of the class occupy positions as instructors, but this large number is perhaps due to the increase of the number of assistants at the Institute, as five are employed at this place.

The tendency to go into electric lighting and other electrical work is increasing. This seems to be preferred to shop work, but the prevailing idea among electrical men is that the electrical engineer must first be a mechanical engineer. The two branches of work are so closely allied as hardly to be separable.

The fact that over 80 per cent. of the class gained immediate employment of a very desirable nature, speaks well for the reputation of the Institute, and also for the abilities of the graduates.

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**THE SKETCH-BOOK.**

It occurred to me the other day that it would be a good idea to have a room in the new building where students could remain over night. Of course beds would be necessary, for the floor would seem rather hard, but a few cheap cots might suffice. The idea is, that students who live in distant parts of the city are enabled to gain a couple of hours on their studies by being relieved of the walk home and back. I find that I waste much valuable time going and returning and then when I get home there are distractions which keep my mind off books and studies. This is especially true at night. The programme begins with an arrival home at about six o'clock. Then comes supper and a half hour spent with the evening papers. Then I have to fool with the cat and play with the baby and do ninth-grade sums in arithmetic for my small brother. By this time it is half-past eight and I am lucky if I get in two hours of solid study that night. A month or two of this is demoralizing. I think if the boys were fixed so as to put in two or three nights at the school that their studies would show considerable improvement. Of course such a privilege might be abused. A fellow might get a big "jag" on during his rambles down town, some night, and, afraid to go home, come up to "the room" to sleep it off. But I'm sure such a proceeding would hurt his personal mark considerably, if found out, and he could thus be punished without injuring the rights of others.

* * * * * *

I've been using some of the soap which an agent has been introducing lately in the shop and I want to sing its praises. It is great stuff and the man who invented it shall have an earldom. Before I used this delightful preparation of alkaline herbs and spices, I thought Soapine was the ideal grease remover, but I confess that it pales into insignificance before this new luminary. It eats down into and around grease and iron stains on the hands in a way that is remarkable. And all the while it exalhes a delightfully aromatic odor which makes you think of the cedars of Lebanon. I observe that nearly everybody is using it. To the few who have not tried it I can only say that Mr. Walls, under whose patronage the soap was introduced, gives away sample handfuls to persons of good repute. Although this bars the Middlers out, several have been seen to stealthily abstract large samples from their neighbors' lockers. If I detect any suspicious-looking character hovering in the vicinity of the package that cost me twenty-five cents, I will give him a
big roast in this column next month and he will wish he was in the bottomless pit with four tons of this incomparable soap holding him down.

There is one thing about the shop that could be improved, and that is the water that is used for drinking purposes. I am an ice-water fiend, and I hanker for my favorite beverage about once an hour, during practice days. Then I seek the fount in the wash-room and am obliged to slake my thirst with a liquid alleged to be water, but it is hard to think of it as such. For washing purposes it is pretty fair, but as a beverage it is an utter failure. I suppose it is too near winter to think of having ice-water now, but I think the boys would appreciate a large, healthy tank of it all the year round, and especially during the summer months. Here is a chance for some friend of the school to make himself immortal by presenting a large, galvanized-iron tank, suitably inscribed, to the shop. I understand the experiment of free ice-water was tried about four years ago, but the ice melted, or something like that, so the idea was abandoned.

I have n't seen Charlie Stone-cutter at the school this fall, and I am anxious lest some temperance lecturer has carried him off to illustrate his lectures as the 'terrible example.' Charlie used to sell popcorn and candy to the Preps, but he gave up his box one day and went into the rag business. I met him on Elm street some time ago, and we had a very interesting conversation about the new administration, and Queen Victoria, and other things. I finally promised to give him a pair of shoes, and then we parted. Shortly after he came round to the house for the shoes, but I was not at home, and he could only leave his card. Last May he came up to Boynton Hall looking for old iron, and I told him there was some imitation gas-pipe up in the tower. When he went up to look for it, I sneaked off, and I haven't seen him since. If he comes up this fall, I shall retire for the nonce to the burglar-proof vault on the basement floor of Salisbury.

**CHANGES IN THE FACULTY.**

The Fall Term Begun with a Largely Increased Corps of Instructors.

As we have mentioned the changes which have taken place in the buildings and departments of the Tech, we must not overlook the changes in another and very important department, namely: changes in the Faculty.

First, we ought to mention our older instructors who have returned to us and who have left us. Glancing into the old physical lecture-room in Boynton Hall, we see there Prof. Eaton, who after a year's absence in California has returned to us with his ever pleasant smile, and is all prepared to wage war with the Juniors.

Looking across the hall into Prof. Cutler's old room, we find it turned into a semi-post-office and book store, and the chair of state empty. Its occupant has left us for a year, and is spending his time most profitably studying at Johns Hopkins University. During his absence his place will be filled by Prof. Haynes.

Our shop superintendent, Mr. Higgins, who has been in the South for the past year building manual training schools for the heathen in Georgia, has returned and resumed his duties.

Geo. W. Patterson, of '88, the assistant in the chemical laboratory last year, has accepted a position in a private laboratory at Newport, R. I. "Billy" was the most popular instructor at the Tech, and his many friends among the undergraduates wish him the greatest success in his new field of labor.

Turning our attention to the new instructors, we find first on the list George D. Moore, who sports a Ph. D. after his name, and who fills the position of instructor in organic chemistry. Mr. Moore graduated from Harvard, where he took high honors. After finishing his course at Harvard, he went to Germany where he continued his
studies at the University of Bonn. On his return he went again to Harvard, but this time in the capacity of an instructor, and after a year there his name is now found in the list of instructors at the W. P. I.

Arthur J. Bean, '88, is back at the Tech again as assistant in mechanics, a broad field in which can be used to good advantage the knowledge gained in three and a half years of weary toil. E. W. Desper, another '89 man, takes Mr. Patterson's place as assistant in chemistry. In the physical laboratory are found Messrs. Kimball, Allen and Baylis, all of '89. They are taking the post-graduate course in electrical engineering and also assist Prof. Kimball and Instructor Phelon in their work with the various classes. In the draughting room at the shop are Messrs. Bigelow and Southgate, also of '89. It will be a great year for '89, as far as teaching at the Tech goes.

THE MUSICAL OUTLOOK.

The Orchestra and the Banjo and Guitar Club Preparing for the Winter Campaign.

Last spring there was a fear entertained by many that the musical organizations of the school would be so badly crippled by the graduation of what was at that time the Senior class, that the season of 1889-90 would not be so successful as its predecessor. But the addition of new members to the school has brought with it an addition of musicians and it can now be confidently said that the outlook is even brighter than it was a year ago.

The orchestra had the experience of a short though successful season last year and this is of great value to those who will play in it again this year, the experience of the old members being sufficient to break in the new ones.

While last year it was merely an experiment, its outcome fully warrants us in looking for greater results than ever this year.

The banjo club was less fortunate in retaining its old members than the orchestra, but, if reports be true, enough new material has been found to fill its depleted ranks; and material of such quality as will not allow last year's high standard to be lowered in the least. Daeson, the reliable guitarist, is working here in the city and he will probably continue to play with the club. Baylis is taking a post-graduate course and he will also play with them.

Although the orchestra lost a cornet, flute and 'cello the vacancies have already been filled excepting that of the 'cello. The lack of both 'cello and base seems to be the greatest drawback to the orchestra, but it is hoped that some material may yet be found to fill these places.

We have heard it whispered about that a glee club is in process of formation. This acting in conjunction with the others will be a great attraction.

Mr. Prince will continue in his good work of presiding over the destinies of the banjo and guitar club and, though nothing definite is known, it is expected that Mr. Rockwell will wield the baton of the orchestra for another year.

ABOUT THE SHOP.

Everything is Lovely and the Grindstone Turns Merrily Round and Round.

There is no time for holidays at the shop just now, and will not be for a long while. The Seniors are busily occupied on two sixteen-inch engine lathes of the new style, which they expect to finish sometime.

Two elevators are to be put in at Providence, one of which is to have a lifting capacity of 3000 lbs. A passenger elevator is being built for the Franklin Savings Bank of Pawtucket, and this with an elevator to be put in Bowler Brothers' brewery of this city, and one to be rebuilt in Springfield completes the present work in this line.

There are orders for eleven twist-drill grinders, and thirteen of these machines were sold last month. Up in the wood-room we find that the partition which separated the work-room from the one used for accumulation of the products of Prep labor, has been removed so that there is quite room enough to turn around. Here the journeymen are working on a lot of drawing-stands which are to be sent to the West, and a few Seniors may be found on practice days, killing time and occasionally working on patterns. One set of models has been sent this month to the Shattuck School at Faribault, Minn. One important order which was nearly overlooked, is one
of intense importance to students during the winter months. It attracted our attention because of its bold defiant appearance on the order blank; not as if it would apologize for being there, but rather would coolly assert its right to such a position. Perhaps you will be curious enough to wish to know that the order is for a poker.

Whether this is to be used for prodding the boys or is to be prodded by the boys is not known; but as this poker is for the Salisbury Laboratories, and as the Seniors never use the poker at the boiler room of the shop, it may be that an advanced course in the use of the poker has been planned which will be available to Seniors only.

A small new drill-press has been purchased recently and will be located near the milling-machine. The work on twist-drill grinders has made a machine of this kind a necessity.

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A VENTILATOR IN NAME ONLY.

A Curious State of Things, in which Air is Carried from Somewhere to Nowhere.

When the workmen were remodelling Boynton Hall during the summer, they found evidences of a laughable blunder by some one. On the south side of the building was a so-called "ventilating flue." It started from the cellar, went up inside the wall of the physical lecture-room, then past Prof. Sinclair's room, and was supposed to find an opening on the roof. The openings of the flue, in the two rooms above-mentioned, were guarded by sliding panels, so that they could be closed, in order to prevent a dangerous draught in case of fire. In each opening there was a gas jet arranged so as to increase the draught on being lighted. The members of Prof. Sinclair's calculus class of last year will remember with what tender solicitude each one interested himself in maintaining this flow of gas. The general impression prevailed that it would be quite impossible to exist without this ventilator and its funny little gas-fixture. It was supposed to carry off about 'stheen hundred cubic feet of vitiated air per hour, and students who sat in the vicinity of the openings used to turn up their coat-collars to prevent taking cold in the fierce draught that prevailed in the vicinity.

Every day the gas was lighted and the hands of the gas-meter in the cellar went merrily round at a 2.40 clip, working on a day job that promised to return large dividends. But nobody objected, for it was known that the health of the students was preserved by this splendid system of ventilation.

When this flue was overhauled during the summer, the startling discovery was made that it had no outlet to the atmosphere, or anywhere else. It was bricked up solid at the top. Not a molecule of air ever passed through it.

Now everybody is figuring up what this ventilating system cost in the time, patience, matches and gas expended in its maintenance.

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A SANCTUM.

The W P I Gets a Room in Boynton Hall for Its Own Exclusive Use.

The Commencement number of the W PI hinted at a possibility that has now become an assured fact. The room on the top floor of Boynton Hall, formerly occupied by Prof. White and his classes in civil engineering, has been given to the school paper, and from this time on, until further notice, it will be given up wholly to the scratching of the editorial pen and the purr of the office cat.

It is a model sanctum in many respects. It is on the proverbial top floor. It is at the head of a flight of stairs and the exit of the spring poet can be made swift and sure. Wild-eyed individuals demanding retractions can be given an emphatic negative with celerity and despatch. The religious editor can look through a key-hole into the chapel and get inspiration which he could obtain in no other way.

The room is not furnished in Oriental magnificence. It is not hung with rich tapestries and costly furniture is not scattered about with elegant abandon. But there is a substantial table surrounded by satisfactory chairs, and here the editors can turn their thoughts into copy upon the clean, white paper that lies ready before them just as easily as if they were surrounded by all the comforts of home. The room may not be pleasing from an artistic point of view, but it looks like business.

All friends of the W P I are cordially invited to call upon it in its new quarters,
whether they wish to talk for publication or not. The exchanges will not be kept on file in the sanctum. They can be seen in the library on the first floor.

To President Fuller, who has given the use of this room to the school paper, and to Prof. Gladwin, who has kindly relinquished his claim to a large writing table, the board of editors hereby tender a unanimous vote of thanks.

NO MORE FOOT-BALL.

The Faculty Refuse Permission for the Eleven to go out of Town.

The Faculty have put a prompt veto on the application to join the foot-ball league and have forbidden the team's going out of town to play games. As a result, Manager White and Captain Lake of the eleven have resigned, the idea of a school team this fall has been entirely abandoned and foot-ball at the Tech is nothing but a year-old memory.

At the close of the season last fall, after a most successful series of games, the foot-ball prospects were never brighter. It was deemed advisable to apply for admission to the league including Dartmouth, Williams, Amherst, Stevens Institute and the Boston Tech. With the beginning of this school year it was definitely decided to apply for admission. At the regular meeting of the Athletic Association, held Sept. 20, a committee was appointed to obtain the consent of the Faculty. In the meantime, Captain Lake had been getting his material for a team ready and was about to begin training. The prospects which had seemed so bright last June did not appear so dazzling now. Some of the men who were members of last year's eleven refused, for various reasons, to play foot-ball this season. It was seen that the most careful training and the strictest management would be necessary to put the new eleven on the footing of previous years. Nevertheless the work of preparation was continued, and in the city newspapers of Sept. 22 a forecast was given of the probable make-up of the new team. At this time, when every possible encouragement was needed, the Faculty met and decided to refuse permission to join the league and, in addition, decreed that the eleven could not go out of town to play games. This was the last straw that broke the camel's back.

For a week things drifted on without anything being done. Foot-ball remained in a dazed condition. Finally all hope was given up by the manager and captain of the team, and their resignations were accepted at a special meeting of the Athletic Association, Oct. 1.

Then affairs took another turn. A ray of hope began to dawn. President Fuller told a Gazette reporter Oct. 3 that the Faculty was not opposed to foot-ball or any sport; that, on the contrary, they were in favor of it; that their action was based wholly on the ground that the eleven would lose too much time, on account of absence from the city. Wild rumors began to gain credence that concessions were about to be made.

Oct. 8, Prof. E. P. Smith addressed a meeting of the foot-ball men in Room 6, and stated his opinion in the matter. He said that he did not feel that he was at liberty to make any statements as coming from the Faculty but that he would give his own views on the subject. The game of foot-ball as now played he considered as too rough for the American youth and he referred to a slugging game between Yale and Princeton as an example. He also quoted an article in the Nation published some two years ago as expressing his views on the subject. The game, it seemed to him, as played in our own school was too expensive, took too much time that the student needed and was an unjust tax on some of the undergraduates. He considered that a repetition of last year's indebtedness would not be at all creditable to the school and that a school which was run only for the amusement of its students would never make much advancement in the sciences. He favored athletics in a general way and said that when at Amherst he took great pleasure in the gymnasium work there and hoped that in the near future our own school would have a gymnasium. On being asked concerning some action taken at the Faculty meetings he said that he did not feel that he could answer such questions and still be loyal to his chief, and withdrew.

Last Wednesday another special meeting of the A. A. was held and President Fuller, at the request of the officers of the association, defined the position of the Faculty. He stated that, for various reasons, out-of-town games were not for the best interests
of the students. The term this year is shorter than usual and the time which must be devoted to their games could not be spared by students who wished to get the most out of the now greatly increased advantages of the Institute. They deemed it unwise to allow anything which would interfere with school work.

Thus the matter stands for the present. Several of the alumni have been interviewed and their opinions, together with others, follow:

Only Five Men in the School Paid More than One Dollar to Support Foot-ball Last Fall.

Edwin G. Penniman, '89: I was very much disappointed on hearing that the idea of a school team had been given up. Last year foot-ball didn't take very much time away from studies. Every time the eleven went out of town it returned on the same day. Not a game was played except on Saturday afternoons, and we didn't lose as many Saturday morning recitations as there were games out of town. Now in regard to expense. Last fall there were just five students who paid over one dollar to support foot-ball. From about one hundred students there was paid only $87.75 for the support of the team. From graduates and other outside sources $21 was received, and the Athletic Association furnished $55. The rest came from game receipts. The Tech pays one dollar for athletics where other schools pay ten. That article in the Nation on the abuses of foot-ball, which a member of the Faculty has referred to, does not apply to the game at all as our school plays it. The men don't go off to get drunk, and smoking is particularly forbidden by a captain desiring to play his men for all they are worth. The Faculty should see the game played in order to discuss it intelligently. The Tech has worked up a good reputation among other colleges in the last two years because of its foot-ball eleven. If the game is continued it will be a good thing for the Institute in every way.

Give the Game Every Possible Encouragement.

Harry E. Rice, '88: I don't think the attempt to join the New England league was advisable because of the limited financial resources of the Athletic Association. It would cost a great deal of money to maintain a team successfully in such a league, and the school is not rich enough to stand the expense. At the same time I don't see any objection to the game as it was played last season and the season before. The support of the team was not much of a tax on the students, and the game didn't take much time away from studies. It is a great advertisement for the Tech. The result of every game played is spread over all New England. I would like to see foot-ball continued as a Tech institution, and I think the Faculty should give it every possible encouragement.

It Advertises the School.

Clinton Alvord, '86: The Faculty are too conservative in the matter. Foot-ball is the best kind of sport. It exercises every muscle in the body. The boys ought to be allowed to play and should be encouraged in it. The fact that they have to study hard is all the more reason why they play. The effects will be seen in better lessons and a more enthusiastic interest in their studies. Without foot-ball they would be in worse things. They must have some amusement. Foot-ball is the best possible advertisement for the Institute.

An Athletic Success Swells the Pride of the Average Alumnus.

William L. Chase, '77: I have followed the growth of athletic sports at the Tech with much interest from my time, when they consisted chiefly of harvesting the hay crop on the campus, "rolling the ball," and Torrey standing on his head on top of a drawing-room stool, up to the present creditable position of the association. I have noticed with regret the latest "final" decision of the Faculty not to allow out-of-town games by the foot-ball team. I have no doubt of the wise intentions of that body —I never had—but I suppose it is the same old story, that foot-ball, or whatever sport is up for consideration, takes too much time. It does take time, but it is time that needs to be taken. It is an engrossing sport, to participants and followers, and it gives in return a zest for work that the fellow who keeps his work on his mind all the time never gets. I know. I've tried it in the Tech and since. There is one thing that unites a student for work more than continuous work, and that is to be hampered and fretted by a lot of third grade restrictions and regulations. I've tried that too. These things affect the students, but this spirit of
the Faculty is equally bad in its effect on the Alumni and further on the Institute. There is nothing that calls the attention and swells the pride of the average alumni like an athletic success. It opens his eyes to other things on the hill top, and these in turn open his purse to the Alumni Fund or something more defined perhaps. I think the Faculty needs a little diversion of some sort as a body. If they would come out and take a hand, or both feet, in a foot-ball game, it might set their blood tingling in a way to clear their vision, and make some lost force do useful work.

**Faculty Restrictions Greatly to be Regretted.**

M. B. Walls: I hoped to see a school team again this fall. The boys are going to put their time and energies into some sport, and what's the harm in foot-ball? I believe it unites the school as nothing else could. All the boys go into it. It breaks down class feeling. The Faculty claim that it interferes with regular school work and hinders the progress of students in their studies. I think the question hinges on the real capabilities of the man and not on whether he plays foot-ball or not. Last year's team was unfortunate in having two or three men who were backward in their studies, naturally, and it is not fair to think that foot ball was the cause of their backwardness. Take the case of the good scholars on the team. They were not affected. No, if a boy has got the right stuff in him he will show it in whatever he undertakes. If he plays foot-ball, I say let him play for all he is worth. I saw the games last fall and accompanied the eleven on several of its trips. I never saw anything in the game of foot-ball or the behavior of our eleven to object to. It is a grand game, and I think the restrictions which the Faculty have placed upon it here are greatly to be regretted.

**Let the Boys Put their Whole Heart and Soul Into It.**

George A. Mitchell: All the outdoor sport the students can get is greatly to their advantage. They can study better for it. When I was a boy everything ran to baseball. I played the game considerably, and it did me good and made me healthy and strong. There is very little sport at the school. If the boys want to play foot-ball, why, let them put their whole heart and soul into it and don't restrict their enjoyment of it. I wouldn't have foot-ball interfere with studies at all, and I don't think it would if it were played as it was last year. I am in favor of it every time.

**More Opinions Next Month.**

Several alumni were seen who declined to express a positive opinion until they had looked into the matter more fully.

**NEW MUSICAL INSTRUMENT.**

**The Novel Invention of One of Ninety's Banjo Players.**

Clarence K. Prince, '90, of the Tech banjo and guitar club, constructed at the shop, during the summer, a novel musical instrument. Roughly speaking, it is a cross between a banjo and guitar and it somewhat resembles a mandolin. The body of the instrument is a little smaller than that of the average-sized guitar, but it lacks the characteristic re-entrant curve of that instrument. The sides and back are made of bird's-eye maple and the top of quartered spruce. The neck of the instrument is of cherry and the finger-board of rosewood. The peg board is also constructed of cherry and the pegs are of ebony. There are six pairs of strings controlled by twelve pegs. Three pairs are tuned in unison and three in octaves. All the strings are of wire and three are wire wound. There are sixteen frets on the finger-board and the position of each had to be figured out with mathematical accuracy, involving a laborious system of computation. Altogether it is a fine piece of workmanship.

The tone which it gives is remarkably pure and sweet. The sound has none of the tin-pan quality of the banjo and is much fuller and richer than that of the guitar. It strongly resembles that produced by a harp.

The instrument is wholly the invention of Mr. Prince and embodies some entirely new and original ideas. In the hands of its skilful maker it will prove a big accession to the banjo and guitar club and its advantages will probably be demonstrated to Worcester audiences during the coming winter.

Put up the striped stockings and the padded pants.
PERSONALS.

Thomas H. Clark, '80, has a fellowship in Clark University.

George A. Ward, '87, is draughting for the Worcester Elevator Co.

W. S. Morehouse, '86, is at the Catasaqua Iron Works, Catasaqua, Pa.

A. A. Gordon, Jr., '86, teaches mathematics in the St. Paul manual training school.

Kotaro M. Shimomura, '88, is professor of chemistry at the Harris Scientific School, Kioto, Japan.

Geo. M. Warren, '88, is supervisor of drawing in the high and grammar schools of Wilmington, Del.

William H. Hobbs, '83, is teaching geology and mineralogy in the State Institute at Madison, Wisconsin.

H. W. Carter, '86, is in a government position. He is fourth assistant examiner of patents at Washington, D. C.

W. J. Duncan, '88, is assistant engineer in the office of the Flint and Père Marquette R. R. at East Saginaw, Michigan.

William E. Drake, '86, was married August 15, to Carrie H. Wilmarth of this city. Their future residence will be in Brooklyn, N. Y.

George E. Camp, '88, has left Washburn and Moen's and entered the employ of the North Bergen Steel Co., of Jersey City, N. J.

A. S. Cushman and P. J. McFadden, both of '88, have returned from Germany. Mr. Cushman is going to New Mexico to take up mining engineering.

Horace W. Wyman, '82, was married Sept. 25, at Atchison, Kans., to Mary W. Haskell of that place. Mr. and Mrs. Wyman will make their home in Worcester, at No. 14 Linden street.

John M. Goodell, '88, has returned home after a year of study at the Polytechnic Institute at Zurich, Switzerland, and is now teaching mechanical drawing in Adelphi Academy, Brooklyn, N. Y.

THE TECH CAMERA CLUB.

The Impetus Given to the Interest in Photography by the Exhibition and Talk on the Subject by Some of the Seniors in Dr. Smith's Department, Has Resulted in the Formation of the Tech Camera Club.

The club has elected A. P. Smith, '90, Pres., W. H. Baird, '91, Sec. and M. W. Allen, '90, Treas. The plans of the club are not yet fully matured, but they expect to hold their meetings in some room at the Institute, and will endeavor to obtain the use of one of the dark rooms. There are over twenty photographers in the school and as an organized body they hope to be of use to each other. Field meetings will probably be held on Saturday afternoons, when the members will shoulder their tripods and march in search of Nature. There is considerable natural scenery of a desirable kind about Worcester, though the region is not so diversified as many others, and many pretty nooks and pleasant by ways which are gems in themselves offer a splendid chance for some fine pictures.

An annual exhibition would, without doubt, be on the year's programme adopted by the club, and we think from present indications the interest in such an event would, at least, equal that in June when as has been said so aptly, "the people step on each others toes" in their frantic endeavors to obtain a glimpse of the Deutsche Aufgaben.

TENNIS TOURNAMENT.

Badman Renew His Lease on the Lansdell Cup for Another Year.

The fifth annual tournament of the W. P. I. Tennis Association began Saturday, Sept. 28, and most of the matches were played off on that day. This year a new departure was made in the management of the tournament and the grounds of the Worcester club were hired. Seats were provided for the spectators and a neat score-card distributed by the ushers. C. G. Davenport and S. H. Rood, '90, S. A. Kinsley and H. A. Warren, '91, and F. M. Savage, '92. Frank R. Batchelder, president of the Woodlawn tennis club of this city, officiated as referee. The committee in charge of the tournament consisted
of F. W. Treadway and E. C. Rice, '90, and H. L. Dadmun, '91. The winner took the Landsing silver cup and an "American Tote" racket. The second prize in singles was a black silk tennis sash. Two walking sticks went with first place in the doubles and the second prizes were racket cases. Ribbon badges were also offered.

The weather was propitious on the Saturday afternoon chosen and play began at one o'clock and continued until dark. The whole six courts of the club were used and seventeen matches in all were played. There were sixteen entries in the singles and eight pairs in the doubles, so no byes were necessary in the first round. The play for the afternoon resulted as follows:

Singles, first round:
- C. H. Faulkner, '90, beat E. J. Lake, '90, 6-1, 6-3.
- H. M. Southgate, '92, beat A. P. Allen, '89, 6-3, 4-6, 6-1.
- A. B. Kimball, '89, beat C. S. Cook, '90, 6-2, 6-3.
- E. C. Rice, '90, beat E. H. Rockwell, '90, 6-1, 8-6.
- F. E. Bradford, '91, beat R. C. Barnard, '90, 6-0, 7-5.

Singles, second round:
- Faulkner beat Morgan, 4-9, 6-1, 6-4.
- Southgate beat Tucker, 6-3, 9-7.
- Dadmun beat Kimball, 6-2, 6-1.
- Rice beat Bradford, 6-1, 7-5.

Singles, third round:
- Southgate beat Faulkner, 6-3, 6-0.
- Dadmun beat Rice, 4-6, 6-3, 6-4.

Doubles, first round:
- Morgan and White beat F. A. Bigelow, '91, and Bradford, 2-6, 7-5, 9-7.
- Rice and Dadmun beat Rockwell and Faulkner, 6-3, 6-3.
- Kimball and Allen beat Lake and Barnard, 6-0, 6-1.
- Cook and F. W. Treadway, '90, beat Tucker and Southgate, 6-4 (match unfinished)

Oct. 5, Dadmun beat Southgate in the final round of the singles, 6-2, 11-9, 3-6, 6-3.

Now is the time to organize a boat club and buy a shell, for we have a boat-house on Salisbury pond. The old sporting spirit regarding boat races should be revived and a mile course laid out around near the shore of the pond.

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### CHANGES IN THE CLASSES.

#### Old, Familiar Friends Fall to Return and New Faces Appear in the Corridors.

Allard and Whipple failed to return to the fold of '90 with the beginning of the new year White has made up the ground lost in his studies by a severe illness last spring and again joins his old class-mates. W. H. Baird, of Indiana, formerly of '90, returns to swell the ranks of '91. Follett, McGowan, Bacon and Hastings, all of '91, have left. Alderman has entered '92. The class of '91 has 58 members, in last spring's catalogue, but only 38 of that number are now in school. Six of last year's Preps, Andrews, Dodge, Knowlton, Morse and Priest, went down with a mournful splash into the boiling-hot consomme of last June's examinations. Ball and Lyden have changed their courses and are now members of Division C of the Juniors. The new men of '92 are Andrews, Burleigh, Bartlett, Boutine, Cheney, Clark, Culley, Fletcher, Gaskill, Grimes, Hammond, Haven, Hunt, Knight, Morse, Mundin, Ramsdell, A. H. Smith, E. L. Smith, Thompson, Wallace and Weston. Bartlett, Boutine and Weston were not in the Prep class but have been admitted to the mechanical engineering division.

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### HIS NAME WAS SMITH,

#### And as He was Consequently a Mascot, He was Told to Come at Once.

The number of individuals by the name of Smith in the school is increasing from year to year and has now reached such alarming proportions as to merit the thoughtful consideration of every one interested in the welfare of the Institute. With every entrance examination and every change of instructors, the great and glorious Smith family receive new accessions. There must be some unseen force steadily getting in its work back of all this. Who knows but what the next issue of the school catalogue will say, "Candidates for admission to the Junior class must have attained the age of sixteen years; none but Smiths need apply?"

If there is anything that especially attracts a person by the name of Smith to the Worcester Tech, we want to know what it
is, both that we may invite our friends of that name here and that we may warn Jones and Robinson to stay away.

There may be a deep and sinister purpose back of this, also. The Smiths may be forming a trust with the idea of monopolizing all the advantages to be derived from a technical education. It may be their intention to crowd out altogether those poor and deserving students who are so unfortunate as not to bear their own illustrious patronymic.

One of the staff had a peculiar dream, one night last week. He dreamt that he was a Smith, with his home in Spokane Falls, Wash. Terr. He was desirous of entering the Worcester Polytechnic Institute, but was possessed of small means and had no special preparation in his studies. So he wrote: "Dear Sir, I am a poor boy and don't know much, but my name is Smith and I understand that the Smiths have the call at your place. Am I in it, too?"

In the course of a week or two he received a telegram saying, "You are all right. The Smiths are the people. Come at once."

FALL FIELD-DAY.
Handicapping Tried for the First Time: Four Tech Records Broken.

Last Saturday the annual fall Field-day of the Athletic Association was held at Agricultural Park. Handicaps were tried for the first time in the history of the Association, and the results were successful enough to warrant another handicap meeting in the spring. The board of directors had charge of the handicapping and, with the exception of one or two instances, they did their work fairly well. They made their greatest mistakes in the half-mile run, the pole vault, the running broad jump and the two-mile run. Taylor, '91, ran very fast in the half-mile and ought to have had a place. Dadmun, '91, jumped 20 feet from the scratch in the running broad jump, but Booth, '91, was 1 ft. 3½ inches ahead because of a handicap that was much too large, and took first. In the two-mile run, Stearns lowered the record by over half a minute but did not get either first or second. In all the other events the handicaps were about right and the contests were in many instances very close and exciting. Next spring the handicappers will have had more experience and can use better judgment in their work.

The day was cloudy and a little cold for record breaking, but nevertheless four new records were made. Dadmun took the 120-hurdle in 18 1-5 seconds, Taylor broke the record in the half-mile, doing the distance in 2.05 4-5, which compares very favorably with the N. E. I. A. A. record of 2 m. 3 2-5 sec., made by H. B. Prescott, of Dartmouth, in 1887, Stearns ran two miles in 12 m. 1-5 sec., and Dadmun again broke a hurdle record by winning the two-twenty in 29 1-5 seconds.


Events and winners follow:—
120-yards Hurdle—First, Dadmun, '91 (scratch), 18 1-5 sec.; second, Fish, '92 (8 yards), 19 sec.
100-yards Dash—First, Taylor, '91 (10 yards), 10 3-5 sec.; second, Lake, '90 (8 yards), 10 4-5 sec.
Tug-of-War, '90 vs. '92—'90, Farnum, anchor, Davis, Anderson, Crosby; '92, Needham, anchor, Bartlett, Parks, Alderman. Won by '90, 10 1-2 inches.
Half mile Run—First, Morse, '92 (20 seconds), 2 m. 22 1-5 sec.; second, McLean, '91 (20 seconds), 2 m. 22 4-5 sec.
Pole Vault—First, Farnum, '90 (1 ft. 6 in.), 9 ft. 3 3-4 in.; second, Armstrong, '91 (1 ft.), 9 ft.
220-yards Dash—First, Rockwell, '90 (8 yards), 23 2-5 sec.; second, Booth, '91 (15 yards), 23 3-5 sec.
Running High Jump—First, Wallace, '92 (6 inches), 5 ft. 4 in.; second, Fish, '92 (scratch), 5 ft. 2 in.
One Mile Run—First, Morse, '92 (35 seconds), 5 m. 25 sec.; second, Stearns, '91 (90 seconds), 5 m. 26 sec.
Throwing 16-lb. Hammer—First, Dawson, '91 (8 feet), 69 ft. 6 in.; second, Farnum, '90 (scratch), 66 ft. 6 in.
Quarter-mile Run—First, Taylor, '91 (8 yards), 55 2-5 sec.; second, Rice, '90 (15 yards), 60 sec.
Standing High Jump—First, Fish, '92 (scratch), 4 ft. 3 ½ in.; second, Southgate, '92 (2 inches), 4 ft. 3 in.
220-yards Hurdle—First, Dadmun, '91 (scratch), 29 1-5 sec.; second, Booth, '91 (10 yards), 35 1-5 sec.
2-mile Bicycle—First, Davis, '91 (scratch), 7m. 34 1-5 sec.; second, Dunbar, '91 (scratch), 7m. 35 2-5 sec.
Putting 16-lb. Shot—First, Dawson, '91 (1 foot), 29 ft. 11 in.; second, Lake, '90 (scratch), 29 ft. 9 in.
One Mile Walk—First, Devlin, '90 (15 seconds), 8 m. 14 3-5 sec.; second, Bradford, '91 (scratch) 8 m. 18 1-5 sec.
Running Broad Jump—First, Booth, '91 (3 ft. 6 in.), 21 ft. 3½ in.; second, Taylor, '91 (3 ft. 6 in.), 20 ft. 8 in.
2-Mile Run—First, Wires, '90 (30 seconds), 11 m. 42 2-5 sec.; second, Fish, '91 (1 m. 30 sec.), 12 m. 14½ sec.
Tug-of-War, '90 vs. '91—'91, Dawson, anchor, Perham, Rice, Eddy. Won by '90, 9½ inches.
Standing Broad Jump—First, Morse, '92 (8 inches), 9 ft. 2½ in.; second, Dawson, '91 (8 inches), 9 ft. 1 in.

In the latter event, the name of Morse, '92, was not down on the programme and the directors were uncertain about the size of his handicap. Decision was reserved until a later date, and if it is found that Morse had 5 inches handicap, instead of 8, Dawson will be entitled to first. Counting the winners given above, Ninety-One won 8 firsts and 10 seconds; Ninety, 6 firsts, 4 seconds; Ninety-Two, 5 firsts, 3 seconds.

Tennis Tournament Nearly Finished.

Saturday morning, play in the tennis tournament was resumed. In the doubles, Cook and Treadway vs. Tucker and Southgate finished the match begun two weeks ago, Cook and Treadway winning, 6-4. Then Cook and Treadway defeated Allen and Kimball, 6-4, 9-7. This brought them into the finals against Rice and Dadmun and the latter won the championship in the doubles by defeating them, 6-1, 6-4, 3-6, 6-3. In the singles for second prize, Southgate beat Kimball, 6-4, 3-6, 6-2. The first of the week, Rice had beaten Yates, 6-4, 6-2. This brought Rice against Southgate in the final round. Rice won the match, 6-2, 3-6, 6-4. Now everything is decided except second place in doubles. This lies between Rockwell and Faulkner, Morgan and White, and Cook and Treadway.

TECHNICALITIES.

Give the foot-ball to baby.

The goal-posts stand up like gravestones in a cemetery.

Well, well, the Tech without a foot-ball eleven! That's bad.

Midnight oil is at a premium. Juniors are grinding originals.

For sale cheap, a new copy of this year's foot-ball rules, never used.

Might as well sow Dewey's field to turnips. We have no further use for it.

"A storage battery can be kept full," and in this respect it differs very materially from a '91 man.

Some Techs when returning from church, Sunday evening, seem to think the earth is inhabited by two persons only.

And now it is, that the last year's Tech widows are on the trail looking for new scalps among the Juniors.

"Had to go to the station to meet an old lady," is an excuse that has been worked with considerable success, lately.

At last the Athletic Association has a secretary. The reading of the minutes is a pleasant feature of each meeting.

An '88 man told us recently that nine out of ten questions in mechanics would be correctly answered by "Take moments!"

Say, Amherst, Dartmouth, Williams and the Boston Tech, don't you want to form a league to play marbles? We can't play for "keeps," though.

Tennis Association officers, elected Sept. 16: President, F. W. Treadway, '90; vice president, E. A. Taylor, '91; secretary and treasurer, C. S. Cook, '90.

R. F. Gardner, '89, generally known as "Berry Wall," expected to leave for Europe Oct. 1st, with his brother-in-law, but important business detained him.

It has been remarked that the organ and organist in the chapel remind one of a boy leading a calf. In this case a strong arm is needed, but it seems of little avail.

One would think by the way windows fly up and heads pop out when a female appears on the grounds that an order of monks inhabited the new laboratories.
Two of the Seniors have finished their practice and one of them has no exercises on Tuesday afternoon. What a lucky dog he is, for he has three Sundays a week.

Visitors are cordially invited to come into the political economy recitations of the Senior class. Great tanks of thought are opened there daily by each member.

A Junior took an aunt to the musical festival, according to one of the excuse books. She was a young person of about eighteen years, and she was somebody else's aunt.

Five hours in the shop and five minutes' lively argument with Mr. Walls was enough to convince one of '92's new men that the Tech was not the place he was looking for.

Drawings for second place in the doubles of the tennis tournament took place yesterday. Rockwell and Faulkner are to play Morgan and White. Cook and Treadway drew the bye.

Members of the Tech Y. M. C. A. can attend the lecture course of the local association upon payment of only $1.00. Reserved seats are obtained upon equal terms with members of the Worcester Y. M. C. A.

Now that the school is amply provided with reading rooms, let us have something to read. An annual contribution of ten cents all round would not be unreasonable and would be sufficient to provide several magazines.

The doors on the new lockers ought to be provided with grips against the time when the next equinocial swells the panel so that an attempt to burglarize one of them with a key would only result in pulling the lock out by the roots.

Now that the amateur photographers have had their innings in Dr. Smith's English recitation, the cranks on electricity, farming, base-ball, foot-ball, painting, sculpture and journalism are wondering when their turn is coming.

There are two clocks at the shop. Generally one is fast and the other slow. Seniors are advised to commence work by the slow one and quit by the fast one. This advice applies to Seniors only; all others must be strictly conscientious.

A brilliant idea has just struck the authorities at the Tech, and now all of the walks are being made high in the middle. This is a practical application of the law that water seeks its lowest level, and it shows that we unite theory and practice at our school.

The W P I might print a sample essay from among those which the Seniors passed in on the subjects. "How I Spent My Vacation," "What I Have Made," "My Aspirations," etc., but for the fact that the printing office has but 300 pounds of long primer I's.

If some of the old wrecks of trees on the Tech grounds were removed, the aspect would be more pleasing, if not so picturesque. Sculptors might have to make longer excursions for subjects, but we don't think the rainfall would be affected enough to injure the crops below on Boynton street.

If any student has an uncontrollable desire to cease whistling within the confines of Institute Park, he can obtain permission by simply going about with his right hand up. If you raise both hands it will signify that you also desire to refrain from chewing gum.

The deposit of shale or slate on the top of Tech hill indicates the presence of a glacier at some time in the history of the locality. No glacial markings have as yet been found and some are inclined to accept the theory of the disintegration of the roof of Boynton Hall.

No, boys, you must not play foot-ball with other college teams, for your morals might become contaminated, and then besides it is such a brutal game that no gentleman would wish to see it. And then you are here to grind, so grind you must till you get your B. S.

Some say that man tends to walk in a circle, as for instance when he gets lost in the forest; but when he walks up or down hill we think he tends to move in a straight line. If this had been considered when the walk for the students was laid out up Tech hill, the grass on either side might have been better preserved.

Professor Gladwin's proposed excursion to Labrador during the summer recess was given up because it was found impossible to interest a sufficient number in so extended a trip. Such an excursion, in Professor Gladwin's hands, could not fail to be delightful and instructive and its abandonment is much to be regretted.

[Continued on Page 124.]
BARNARD, SUMNER & CO.

WORCESTER, MASS.

The dreamy October sunset comes earlier every day now. Among the trees a golden and red glory leaps back at touch of the setting sun, the eye revels in leaf color, and feasts on every tint of scarlet and gold, russet, bronze and purple, combined as the only true artist, NATURE, dares to mingle her colors.

In the morning early, dew drops sparkle among the trees like diamonds, the air is crisp and exhilarating, in fact these are the days of enchantment to buoyant youth.

The W. P. I. boys are already at work in their school-rooms and shop, the serious work of fitting them for that which they must do at their best, if they win in the world's race, is now well underway, and this publication is to tell you how they progress, what they are doing and thinking.

So it is with any DRY GOODS HOUSE of first importance. The month of October brings with it immense labors for us. From early Spring the preparation for October has been going on; goods have been selected from the best of foreign and home manufacturers; whatever was thought good, desirable and beautiful we placed under order for now; whatever was elegant, rare, unique and in perfect style, that we unhesitatingly placed under contract; whatever was good at low prices, we secured quickly. The mills of America, of France, of Germany and of England were placed under contribution, and the result of our choosing and their efforts is now to be seen in our establishment.

Two weeks, the third and fourth, are given over wholly to Carpets and all belonging thereto. If there should prove to be anything wanting in this great department that ought to be found there, then it is unknown to us. The aim here is to have the most complete and perfect assortment of floor coverings to be found in any establishment in the country.

Wiltons and Axminsters, Moquettes and Brussels, Ingrains and all the lesser grades, with Linoleums and Oil Cloths, Mattings, too, in all that is good and fanciful. Rugs of all names and from all lands. Rugs and Art Squares with the indelible stamp of Old England upon them. Rugs that are themselves fabric pictures. Rugs with pile so long that they please you with rich color. Rugs with pile so soft and deep that the feet sink with gentle resistance. Rugs in colors rich in all the abandon of Oriental designs. Oh, it is a grand Carpet and Rug exhibition to which you have access now while the October winds scatter the red leaves and the golden in the highways and bye-ways of New England.

The second floor will hold your attention for many days and weeks. What can be more attractive to you than the skilful working out of our theory of Individual Millinery, which means that the bonnet you wear should be fashioned with a due regard to your own style, complexion and figure; even so, as your dress. Here the ladies of New England can get all that is elegant in Millinery, sure that what is fashioned for each is different in essential points from what is found altogether suitable for other ladies.

On this same floor, and in close contact with the Millinery, you will find whatever you may want in pretty Underwear, made with all the delicacy and skill that combines finest cotton and pretty laces in the fashioning of those articles that are at once the delight and the desire of every womanly woman's heart. On this floor also you will be brought under the influence of all that has as yet been fashioned for you in Curtains of Lace and Silk, Draperies, too, that outrival all the boasted beauty of the tapestries of old. Ask for the simplest want and it is shown you. Ask for the most costly and elaborate and it is forthcoming. It is a great department, rich in Irish Point, Swiss, Nottingham, Madras, etc., with everything belonging to the perfect setting of these lace beauties.

To the front and covering the entire front of this floor is the great—the unrivalled—Cloak Department, where at this moment can be seen the most magnificent display of FALL and WINTER GARMENTS ever gathered together under one roof in Worcester.

How can we tell you what grand garments are here for you, or of their special goodness, or how impress upon you the difference between garments selected with skill and taste, made with insistence as to quality to stand on the plane where all goods held by us must stand. All we can do is to ask you to come and see with your own eyes how great the preparations for your satisfaction have been this year.

On the first floor, one great department follows another. Beginning with the Notion department, full of every desirable adjunct of your toilet; then comes the Lace department, whose value and usefulness you have so often tested. From there you pass to the elaborate Flannel department—on to the Domestic, then you stop in admiration of the Snowy Linen Section. In the centre you have a world of Medium dress goods and Fine dress goods, such as you see nowhere else; and then what can at all compare with our Silk department that for so many years has led the way to all that was best—and best worth having—in Silks that deserved the favor of the ladies.

Where can you find a Hosiery department that has sent out so much that has won general popular favor. What like department can point to such success as followed the introduction of "Our Special Non-Crooking Black Stocking," 5 pairs for a dollar, of which twelve hundred dozen were sold last season.

Where can you find such a department as is ours devoted to Black Dress Goods, where not alone all that belongs to the domain of Mourning, but where the subdued tastes of ladies can find expression in the elegant black fabrics, lightened, may be, by a line of Satin finish, rich embroideries, or a dash of white, as you prefer.

We invite everyone cordially to join with us in our view, and confirming the judgment of your mothers, who over and over again declared that the true "Shopping Home" of the ladies of Worcester County is within our spacious walls.

BARNARD, SUMNER & CO.

WORCESTER, MASS.
Scene: office, year 1900.

A: "Mr. B. and myself request permission to play a game of bean bag next Saturday afternoon."

Prof.: "I must repeat that, by vote of the Faculty, all students must refrain from athletic sports of all kinds and give their undivided attention to their work."

By the way, that was a mighty price we were taxed for those little keys. Fifty cents a head! Well, the interest on the forty odd cents above what they cost will amount to something, and we will get the principal back in June, or perhaps before, if the semi-annual dose of disinfectants makes it necessary for some of us to vacate in January.

It was years and years ago that we received rewards of merit. We thought we were back in those good old times when we were asked in chapel to pledge ourselves, by raising our hands, to be good boys and not whistle in any of the buildings of the Institute. If we were lost in the misty recollections of those palmy days we should be pardoned for not awakening to the pressing importance of the moment and raising our hands.

We don't think there is any mercenary spirit among the authorities when they ask for a deposit of fifty cents in return for possession of the locker key. The interest on the money has been computed and found not to amount to enough to shoe the Institute horse for one year. The idea is to have a kind of graduates' aid fund, available to all students and which will help them to shake the dust of Worcester from their feet when they become alumni.

In the July number of the WPI an omission was made in the article referring to the athletic work of the class of '89. In the number of events and second places won by the class the total is given as 27 firsts and 27 seconds. This is slightly incorrect and should read 27 firsts and 28 seconds as the second place won by I. L. Rheutn in the mile walk at the spring meeting of the A. A. in 1888, was by some means omitted in the summary.

Faculty regulation, adopted Oct. 5, 1906:

"Whereas, certain members of the lower classes visited Paxton last Saturday afternoon and engaged in the game of croquet, and

Whereas, other students were late at chapel Monday morning because of indulgence in the same pastime, therefore be it

Resolved, that the game of croquet is a harmful, debasing, demoralizing amusement, and be it further

Resolved, that we discountenance any attempt to join the croquet league."

The Athletic Association held its regular semi-annual meeting Sept. 20. Officers were elected as follows: President, Elmer C. Rice, '90; vice-president, Edwin A. Taylor, '91; secretary, Charles A. Needham, '92; treasurer, Herbert A. Warren, '91; board of directors, Everett J. Lake, '90, Windsor T. White, '90, Herbert A. Warren, '91, Charles H. Dunbar, '91, Hugh M. Southgate, '92, Charles A. Needham, '92; manager football team, Windsor T. White, '90; assistant, Fred A. Bigelow, '91; base-ball manager, Frank W. Treadway, '90; keeper, George E. Barton; manager of N. E. I. A. A. team for next spring, Windsor T. White, '90.
How the clergymen of Worcester would have brushed up their theology and rhetoric if they had seen the corps of Tech reporters which started forth one Sunday recently to record with uncompromising, photographic truthfulness the utterances of that day, and how the Telegram and Spy reporters would have blushed had they heard the criticisms of their work in the same line.


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