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EDITORIAL.

SPRING, to use a slangy but forcible expression, seems to have "got here with both feet," for the school has entered into base-ball and track athletics with an enthusiasm that has not been paralleled in years.

The proximity of Dewey's field with its level diamond and its new catcher’s fence has had a great influence in causing this awakening. The inter-class games, too, have been run on a scientific basis this year and the good results obtained have justified the pains that have been taken to make them a success. Everybody seems to have appreciated the games. The field has been crowded during every contest with a howling mob of sympathizers who were quick to applaud a good play, especially if it were made by a player from their own class. The noon hour, which is usually given up to a quiet discussion of lunch, has this year been utilized for exciting games of "scrub," which have been useful in developing latent ability for use in more important contests.

All this excitement will doubtless bear good fruit. Next fall, when a base-ball manager is elected at the regular meeting of the A. A., he can go to work and select a nine that can play ball. That is, if a pitcher enters the class of '92 before that time.

The interest taken in base-ball appears to have promoted, rather than hindered, the individual work of the athletic men. The "quadrangle" has been filled daily with hard-working athletes who enthused while throwing the hammer, putting the shot, or running around Boynton hall in practice for the sprint races. As a team, the contestants for intercollegiate honors have done but little. With our own Field-day out of the way, a determined effort ought to be made to learn each other's weak points and to act concertedly.

This brings up again the subject of the "cup," a piece of silver plate in which the interests of many are centred at the present time.

The usual rumors have been started from the several colleges in the league to the effect that their men are "out of training," or "sick," or "injured."
These come periodically and nobody seems inclined to believe them. The Tech is, truly, in a bad way. Our two best sprinters are laid up, one with a broken collar-bone and the other with a dislocated knee. Our hammer-and-shot man had his hair cut last week and Worcester will consequently be unable to enter anyone in those events.

The accident to "Dad.," serious as it is, ought not to dishearten anybody. Least of all does it dishearten the plucky fellow who received it. The intercollegiate team can make a showing this year and it ought to go in and do its best.

The Williams Weekly for April 25 breathes forth fire and brimstone in an attempt to reply to an editorial in the last issue of the WPI concerning the executive committee of the N. E. I. A. A.

The young man who wrote the article evidently seems thoroughly satisfied with his production, but he has yet to learn that a descent to personal abuse and the use of rash, unproven statements are of little avail in undermining the soundness of an argument.

The chimerical fancies embodied in the editorial in question are hardly worth a reply. The WPI sees no reason for changing the opinion expressed last month: that the annual convention has the precedence over any subsequent meeting of the executive committee.

"THE COLLEGIAN."

The above is the title of a monthly magazine, the first number of which appeared last January as an addition to college literature. It is published at 34 Temple Place, Boston, and edited by Mr. Samuel Abbott, a graduate from Williams in the class of '87. The prospectus of the magazine was printed entire in the WPI for November, '88. Up to the present date of writing (May 7), three issues have been received at this office and from these it is possible to form an estimate of the worth of the publication and its prospects for success.

The Collegian was started last December as the self-constituted representative of the American undergraduate. Believing that the "coming literary power of the country was germinant in the American college man," its founder expected to make the magazine a means for "introducing young talent to the world of literateurs." The prospectus further stated that the aim of the new publication was the staunch support of any student heartily desiring prominence in literary endeavor. The new effort had the endorsement of the New England Intercollegiate Press Association and the initial numbers have been issued under its auspices. Incidentally it has received the approval of the Central Intercollegiate P. A., and others. The January issue was awaited with considerable curiosity, for there was a general desire to see how readable a magazine in such a unique field could be made. It was questioned if it could be made interesting enough to fill the aching void that was supposed to exist in every college man's heart.

The new venture resembles an English review in its general appearance. It is printed uniformly in small pica type, leaded, on paper of good quality, and is bound in the usual magazine style, with trimmed edges and a cover. The first numbers have averaged about a hundred pages. Typographically speaking, it is evident that the Collegian could with decided advantage change its rather unwieldy form and the sameness of its make-up. This is all a matter of taste, however. A reader is not disposed to
pay much more attention to the “dress” of a monthly magazine than he does to the dress of a man or woman. Only it must be admitted that, in the case of any publication, as in the case of a man, personal appearance (if the expression may be allowed) has influence in forming judgment.

The literary excellence of the Collegian depends upon the manner in which several departments are sustained. In the “Eclectic and Critical” department the exchanges are reviewed. The “Book Review” explains itself and “Athletic” records the happenings along athletic lines at the colleges. “Home” and “Foreign Correspondence” find places. Letters by undergraduates on assigned topics have appeared. An editorial column is maintained. These and other departments compose half the magazine. The other half is made up of a special paper from some distinguished alumni (the January and February numbers have papers by Edward Everett Hale and Prof. Leverett W. Spring, respectively), and essays which are either original or clipped from representative college journals, due credit being given.

After a careful examination of the Collegian from a standpoint unbiased by personal considerations, we are unable to predict that glittering success which has been hoped for it.

We candidly confess that we are utterly unable to see the field that is waiting with outstretched arms for just such a publication.

The New England Intercollegiate Press Association does not seem to be pining away for lack of an “organ.”

It is unworthy of belief that the American undergraduate will pay $3.00 a year for abstruse literary essays of questionable worth when the immense resources of the illustrated monthlies are at his disposal for almost the same price.

It is also incredible that the average college man will write for and send his subscription to such a magazine when the publications of his own college are fairly howling for his support.

Primarily the object of the Collegian is “to introduce young talent to the world of literati.” But does the talented young writer desire to introduce his talented writings in this manner? If he has written something marketable can he not sell it to a thousand different editors who are just aching to lay before their immense circle of readers matter that shows talent and ability? Will he waste it on a journal of comparatively no influence? When a man has earned a $10 gold piece does he throw it into a hole in the ground? It is hard to see how the Collegian is going to introduce talented writers to the world of literati. The best it can do is to print the vaporings of ambitious amateurs who are burning with a desire to see their effusions in the magic setting of type. Perhaps, however, the view is taken that a writer does not become talented until he has been “introduced.” In that case his early efforts had best be kept from the cold, uncompromising light of day.

Doubts arise as to whether this kind of “literary matter” will find readers. Will mere college spirit cause one to read with zest an article of no value except that it was the work of a collegian? Is the literary value of anything enhanced because its writer dwells within college walls?

We do not wish to be misunderstood in this criticism of the Collegian. We have only the kindest feelings toward it and we sincerely hope that it is now prospering and will continue to prosper. In all fairness, however, we cannot remain blind to a condition of things that seems to remove to the far distant future the time when American undergraduates will form in line at the subscription office of a periodical like this.
THE SALISBURY LABORATORIES.

The beginning of the next school year will be a red-letter day in the history of the Polytechnic Institute. At that time the new Salisbury Laboratories, whose construction has been watched with so much interest, will be opened to the students. The removal of the staging which almost prevented a sight of the building has disclosed a really magnificent edifice on one of the finest sites in the city.

From a distance, the new building is quite dependent on its appearance of solidity for its claims to beauty. It is so entirely unlike either Boynton Hall or the Washburn Shops, however, that the contrast removes the necessity of ornamental architecture and produces an effect that would be wanting if the building stood alone. Approached from any direction, the building has the effect of being very large and this appearance is confirmed by a nearer view. The main entrance is quite elaborate, the door itself being of polished oak. Above the door is a large scroll, bearing the new seal of the school on which is inscribed the words "Lehr und Kunst" (Learning and Skilled Art.) The date of the commencement of the laboratories, "1888," is included in the design and the name, " Salisbury Laboratories," in heavy relief is cut in the stonework over the entrance. A liberal use about the door of the brownstone employed for trimming gives the building a very handsome front.

It is from within, however, that the capacity of the building, as well as the generosity of the donor, is most apparent. On either side of a broad hallway are large, well lighted rooms for the purpose of experiments in mechanical and steam engineering. These rooms will contain the heavy machinery, power being supplied by a boiler in the basement which also heats the building. Beyond these rooms the building loses in width, the difference being taken from the south side. The main corridor terminates in an elevator well, to the right of which a second corridor, nearly as wide, runs through the remainder of the building. A large vault occupies the space at the left of the elevator.

The second floor, also, contains rooms for the mechanical and physical departments. A draughting room is at the right and a mechanical model room at the left of the main corridor. The draughting room is designed for the use of the Seniors and contains shelves for the drawing-boards and lockers for the instruments. Beyond these rooms are reading, reception and recitation rooms, a small physical laboratory and a larger electrical laboratory which occupies the entire width of the building on the west side.

The third floor is not unlike the second in the uses to which it will be put. On opposite sides of the main corridor are the physical laboratory and lecture room. Two columns of solid masonry run from the basement to the latter room to serve as standards for Professor Kimball's experiment table. The smaller rooms are like those of the second floor with the addition of the apparatus and calorimeter room, private laboratories, and rooms designed for experiments in photography.

The fourth and last floor is Professor Kinnicutt's province. A glance through these finely-equipped rooms is an inspiration after the dull, smoky apartments to which we have been accustomed. The three large rooms on this floor are the general chemical laboratory and lecture room, in front, and the analytical laboratory at the end of the corridor. Between these are rooms designated as combustion, balance, apparatus and stock rooms, the sanitary, organic and research laboratories and a chemical museum.

In its present unfurnished state, only an imperfect idea of the capacity of the
building can be formed. The rooms are abundantly lighted and very conveniently situated, almost every room opening directly into the corridors. Professor Alden expects to conduct some experiments in his department before the close of the term, but the building will not be opened for general use until September. If the liberality displayed in their construction is extended to their equipment, the Salisbury Laboratories will be a source of pride to everyone who is interested in the welfare of the W. P. I.

INTERCOLLEGIATE CHANCES.

One week from to-morrow Agricultural Park will again be the scene of the great contest for New England Intercollegiate athletic honors, and present indications predict a very close contest the coming year. As Dartmouth won the pennant the first year and Amherst the second, the contest between these two colleges will be very spirited, although chances seem to favor Amherst at present. Worcester, however, is generally conceded to be in the race this year, especially with the 220-yards hurdle race on the programme, and a close inspection of the list of events tends to further such a view. Last year Williams led Worcester by 1½ second prizes, counting the tug-of-war and a tie in the running high jump. This year the contest between Williams and Worcester tends to be even closer than last year, as both are favored by the admission of the 220-yards hurdle race to the programme. Williams' chances are the better, however, as she is sure of two events, the standing high and broad jumps, while Worcester's chances lie in events which are wholly uncertain. Trinity, Brown and Wesleyan were practically out of the contest last year and so no judgment of their work this year can be made from the past. A great improvement on last year's work will, however, be necessary to make a difference in the final result of the contest.

Williams and Worcester formed the second pair of colleges in strength in the last contest and this year they will push Amherst and Dartmouth to a great degree and make the contest between the four colleges very interesting. Amherst is confident, and does, indeed, present a very strong team of well trained men, but they can hardly expect to equal last year's record. Dartmouth men are full of anxiety as to the result, but if faithful work will give them the pennant they ought surely to win. A large sum of money has been expended on their team, and with the assistance of the trainer who led Amherst to victory last year Dartmouth boys hope to defeat Amherst at this meeting and again earn the laurels which they won at the first meeting of the association, and which would have been theirs last year but for Keay's unfortunate fall when leading in his own favorite event and within a few feet of his goal and the pennant. While Amherst's work was excellent and the pennant nobly won, Dartmouth must be credited with the better showing in last year's contest, and her defeat was due to a circumstance which would not happen again in many meetings, as Keay had always been, and was at the time of the race, a very speedy and sure hurdler, and would defeat Ludington easily should they meet again.

Williams is very quiet but is nevertheless at work. Her team will consist of Crook with various satellites. Her tug-of-war team has been strengthened considerably and a good deal is expected from it, with reason as last year's team was second only to Dartmouth's and pulled a dead heat with it in a very even struggle. Brown and Trinity made the third pair of colleges in athletic strength last May. Brown intends to better last year's record, if possible, and will enter men in a great majority of the events, while Trinity also will try to better last year's work. Wesleyan failed to score a point in any event last year and was hopelessly in the rear. The interest in general athletics at Wesleyan University is not very great and not much more can be expected of her in the coming contest.

With Trinity, Brown, and Wesleyan placed as they were last year we can make the following deductions as to Worcester's chances the coming year. The quarter-mile run for the last two years has been won by Gove of Dartmouth, but this year Gove has left college and will not compete in the intercollegiate sports. With Bulkeley, of Trinity,
second, Trinity seems to have great chances in this event this spring, but all Worcester men who know Mills know what he is capable of, and that last year he did not do himself credit in his favorite event. This year he will make it very interesting to all contestants, and Worcester is justified in considering her chances as good as those of any other college, from Mills' work alone. Besides this chance, Allen also thinks of competing in this event, and if he does all other competitors will do well to watch him. Porter, Chancellor and Hare of Amherst are all good men, but Porter competes in other events and Chancellor has yet to win his first intercollegiate race. He started, however, in the games of the Yale Athletic Association at New Haven, March 16, and was conceded but 12 yards start over Dohm of Princeton and Banks of Columbia, by one of the most experienced handicappers in the country. This rates him as capable of doing 53 seconds or a little less, as 12 yards is less than 2 seconds of time and Dohm and Banks are both capable of doing 51 seconds. If Chancellor is really capable of such work, and has not been overrated, it will surely take some very clever work to beat him. Hare was credited with 57\(\frac{1}{2}\) seconds for the distance last fall over a poor track. This is good time under the circumstances, but will not win a week from tomorrow.

The tug-of-war is another event which is doubtful, as Williams and Dartmouth pulled a dead heat last year. The Tech will have a good team in this event as the whole organization of Worcester's tug-of-war team has been left to Bartlett. His success in presenting a good team last year is well known, and as he will make every effort to get a better one this year the Institute is assured of being well represented on the ceats. All who saw the work of the team in the rink, the 15th of last March, will readily see what good work has been done and if, by a continuance of the systematic practice so well begun, the team has improved as much in the last five weeks as it did the few weeks before, the Tech may expect to surprise her intercollegiate friends. The school is to be congratulated on having such an energetic and able a worker as Bartlett at the head of this department of its athletics, and his equal will be hard to find in the future. A few more such men and Worcester would fly the pennant.

Keay, the 100 yards' winner of last year, and Elton, Trinity's favorite, have both left college. This leaves the 100 yards dash uncertain, but as Allen finished second last year he ought to be well up at the finish again this year. It was conceded by all who saw him run last May that he was the strongest runner on the last 50 of 100 or 220 yards that started during the day and his work was highly creditable to the Tech. It is to be hoped that his knee trouble of last fall will not appear again this spring, as such an unfortunate circumstance would weaken the Tech team in its strongest point. In good condition Allen can easily repeat his performance of last year and a repetition of such work means defeat to many a would-be winner. Jacobs has left college, but Amherst has a freshman by the name of Shattuck of whom she expects great work. Shattuck came from Andover with a record of 10\(\frac{1}{2}\) seconds for the distance.

The mile run ought to go to Wells of Amherst, last year's winner, as he finished in good form and won easily. With Bartlett devoting his whole time to the tug-of-war team, Taylor is undoubtedly the best middle distance runner that the Tech has and would make a good race with Wells, but he is not quite strong enough to win. In the two-mile run Worcester has none but new men. Wires and Stearns are, both doing good work and may show up well. The running high jump is another event which is very uncertain and in which Worcester can make no show. There are several men in the school who are good for better than five feet by an inch or two, but that will not win a place. Among them are Barnard, Armstrong and Fish. Ludington, Amherst’s treasure, won last year and will have a good contest with Amadon of Williams this year, although new men are liable to appear in this event. Both Ludington and Amadon have been doing great work at the running high jump this spring. Ludington broke the Amherst College record by \(\frac{1}{2}\) an inch and jumped 5 feet 6\(\frac{1}{2}\) inches, and Amadon the Williams College record by 3 inches with a jump of 5 feet 6 inches. From these facts an interesting contest could be expected between Amherst and Williams. Neither need be too certain,
however, as Brown enters Barrows in this event and claims that he can jump 5 feet 6 inches. If this is so Brown also has a good chance and this contest bids fair to be one of the evenest of the day.

In the hammer and shot Worcester cannot make an entry who could hope to compete successfully, and these events will be won without an effort on the part of Worcester's team. Houghton, of Amherst, made a record of 33 feet 7 3/4 inches at putting the shot last month. This breaks the intercollegiate record of 33 feet 1 inch and makes the event look like Amherst's.

In the mile walk Worcester has a good chance, as Bradford won last year and is walking in better form than ever before at the present time. Clancy and Rheutau, either of whom might have won second place last spring with little effort, are all capable of excellent work, and with Fish, the dark horse of '92, Worcester ought to more than be able to hold her own. The other colleges will no doubt bring out many dark horses in this event, as the race of last May left room for much improvement. Henderson, of Amherst, made an excellent showing in this event last fall at his college sports and it is rumored that he is capable of walking several seconds under the record, so Worcester men will do well to look out for him. Williams also claims a winner in this event.

In the 220 yards dash Worcester stands another even chance, as Allen won last year and Gove of Dartmouth, his nearest competitor, has left college and will not compete. This event ought to be Worcester's with good luck.

The bicycle race was one of the most interesting on the list last year. Harriman was a close second, and in the opinion of many present would have beaten Delabarre if he had ridden a lighter machine. This opinion has grown rapidly with increasing age, and as its anniversary approaches every loyal Worcester sympathizer looks confidently to Harriman as a winner one week from to-morrow. White was Worcester's only hope in the ½ mile run, although Taylor can do excellent work at the half if he does not start in the mile race. White cannot be with us this spring, as his recent sickness has caused him to remain at his home in Cleveland. Worcester loses greatly by his absence, as his long experience in athletic work made him a great aid to his fellow-workers, and his presence would have given them a good deal of confidence. With White gone Worcester's only chance lies in Taylor, and as his chances are better in the mile run the half will have to be abandoned.

Marshall was the acknowledged favorite at the pole vault last year, and with Warriner of Amherst out of the event his chances for winning are excellent. This is another event with even chances. The 120 yards hurdle race belongs to Ludington of Amherst, barring accident. He also intends to make a strong effort for the 220 hurdle, but his chances in the latter are not as good as in the former. Mills will try the 220 hurdle, and is liable to surprise some of his friends as he is a strong 220 yards runner and a good jumper. Crook of Williams has also done good work in this event.

Both winners in the running broad jump have left college. This leaves the event open for all and no knowledge of probable winners can be had. In '97 it was won by Cooke of Brown with a jump of 19 feet 8 inches. From these facts it seems as if 20 feet ought to win this year. While Worcester may not be able to enter a man capable of doing 20 feet she will make as good a showing as possible.

It will be seen from the above that Worcester's best chances are in the quarter-mile, 100 yards, mile walk, 220 yards flat, 220 hurdle, two mile bicycle, and pole vault; and while Amherst and Dartmouth are weakened by the loss of last year's winners, Worcester has lost no men but Jewett and Chadwick, and is even stronger than last year. The above views may rate Worcester's chances as too good in many events. This may or may not be so,—time will tell,—but if last year's record is equalled the Tech can still be proud of its success. Let us hope that it will be bettered, that our colors may occupy a still more prominent position in college athletic circles.

NEW PHYSICAL APPARATUS.

To one who merely reads that Mr. Salisbury has presented the Polytechnic Institute with that princely building called the Salisbury Laboratories, it
may be difficult to conceive that the gift consists of anything more than the solid masonry which forms the magnificent structure.

But imagine the helplessness of a vast ocean steamer in the absence of its propelling power, or the utter uselessness of a time-piece without the fine mechanism which is concealed beneath the face. If you do this you will see that this fine building, of which so much has been said and written, is merely the case of something which, though not so costly, perhaps, is just as important to the student or professor in the pursuit of a technical education or research. As Prof. Kimball went advised to purchase the best to be obtained, it is safe to presume that in the apparatus described the school has a very complete outfit.

One of the most important pieces is the Rogers' Comparater. This instrument is the outcome of a long series of experiments by Prof. Rogers of Harvard, and is designed to be used for extreme accuracy in the measurement of lengths. The delicacy of this instrument is such that it demands what is known as a constant temperature room. This is a room so completely shielded from the effects of outside heat or cold that the temperature will not be affected to any appreciable degree on a common thermometer. Indeed it is expected that the temperature can here be kept within a tenth or two of one degree for hours and days at a time.

This of course materially increases the accuracy of the instrument which is so great that measurements can be made to within the one-millionth of an inch.

Then besides this, a cathetometer has been purchased for measuring very small amounts. A complete outfit of micrometer microscopes has also been obtained, which with the special room prepared for them form a valuable addition to the other apparatus.

With the addition of both line and circular dividing engines, which were the best to be obtained in Geneva, the list of instruments for measurements of lengths is complete.

For the purpose of accurately measuring duration of time ample provisions have been made. The most important instrument in this department is the large chronograph, such as is used in many astronomical observatories. This was obtained directly from the makers in Geneva and is in all probability as good an instrument of the kind as can be procured. Besides this large chronograph, two smaller ones, for measuring short intervals of time, have been purchased. One of these is from Edelmann of Munich, and the other from König of Paris. Both of these names insure the accuracy and success of these instruments.

For the purpose of angular measurement, a spectrometer has been secured from the Société Genevoise, as indeed were most of the other pieces of apparatus obtained in Geneva. We should congratulate ourselves on having obtained one of these for only a few of them have been made. The one obtained for the Salisbury Laboratories is of the largest size. It has twelve inch circles which with the aid of compound microscopes with micrometer eyepieces, can be read to single seconds.

For standard electrical measurements, a tangent galvanometer and a magnetic theodolite from Edelmann of Munich have been placed in the new building at the foot of the hill. This theodolite is a very nice instrument for the purpose. It can be read to ten seconds. Besides these special pieces, a full set of apparatus for experiments in sound has been obtained from König of Paris, apparatus for experiments in specific heat from Edelmann of Munich, and a full collection of apparatus for light from Duret et. For electrical measurements, a British Association bridge and a large box of resistance coils have been placed in the laboratories. Besides these, a
standard ohm has been purchased from Elliot with a certificate from the British Association as to its accuracy.

ALDEN'S COMPOUND ENGINE.

The engine designed by Prof. Alden and recently built at the Washburn Shops has been set up in the mechanical laboratory at the new building, where it will be used for experimental work and for driving dynamos as occasion may require. A short description of this novel machine may be of interest. It is what is known as a compound, single acting, condensing engine, and will require a steam pressure of one hundred and twenty pounds, while it is expected to develop about fifteen horse power. The maximum rate of revolutions is four hundred and twenty per minute. Its construction is simple. The base which covers about thirty square inches has supports on two sides, on which rest the crank shaft, one solid forging, and an intermediate frame with four legs. This last is surmounted by the two cylinders, which are in one casting, and bolted to the frame. The circular steam chest is bolted to the top of the smaller cylinder and is connected with the boiler by a two and one-half inch pipe. As it thus stands it is six feet high and weighs about a ton.

A gridiron slide valve is used which is actuated by an eccentric on the crank shaft, through an eccentric rod and bell crank lever, thus giving a constant lead, while the cut-off is operated by a similar arrangement on the other side where the eccentric is connected with the governor. This differs but little from the Buckeye governor and is located in the thirty-six inch fly-wheel. The small cylinder is five and one-quarter inches and the large cylinder nine inches in diameter, the piston having an eight-inch stroke. The large cylinder exhausts into a four-inch pipe connecting it with the surface condenser in the basement. The crank shaft is three inches in diameter and has a six-inch bearing on each of the two boxes. It will carry an additional fly-wheel to be used in experiments with the transmission dynamometer. The considerable drip from the cylinders renders necessary a large pan just under the crank shaft.

The engine will be largely used for experimental work, being especially designed with that end in view. Among the experimental features might be mentioned the arrangement by which steam jacketing may or may not be used, and the device for varying the clearance in the large cylinder. The avoidance of cylinder condensation has been accomplished by not allowing the steam to return, but to pass directly through the cylinders. The live steam enters the first cylinder, and when the piston has travelled far enough to open the port expands into the large cylinder where a similar action takes place and the steam then exhausts into the condenser. By this arrangement there is no passing of hot steam over cold surfaces or cold steam over hot surfaces. From a commercial point of view the engine has a good outlook, for it is not complicated and can be rapidly and easily built.

EXCHANGES.

Among our new exchanges for the month are the Amherst Student and Cornell Sun, both of which are so well known from their success and reputation that any introduction or comment would be entirely superficial. The Student devotes most of its space to base-ball and general news, but the following, from a short editorial in the last number, shows that Amherst is confident of success at this city next week :

"The work of raising funds to meet the expenses of the team is progressing fairly well. If the management can get enough money some of the men will be sent to take part in athletic games before the 25th, thus
giving them excellent training and experience. Let everyone give something, we can and must take that banner again this year."

Another exchange which has been added to our list since the last number is the *Buchtelite*, which commenced its career in the world with the April number. The production as a whole is bright and enterprising, but still there are several departures from the truth contained in its news (?) columns. For this, the responsibility lies no doubt at the doors of other editors from whose columns they were clipped. The *Mail and Express* has already called attention to the excess to which this matter of clipping is carried by college editors and quotes some extreme cases where statements of the greatest exaggeration and improbability have been seized upon and republished scores of times for the astonishment of a multitude of college readers. We beg pardon for mentioning the *Buchtelite* in connection with this matter, but we can not help noticing such statements as these:

"All Europe has fewer colleges than Ohio."

"The first Latin fraternity in America, the Q. T. V., was recently established at Cornell with six charter members."

The current number of the *Tech* contains a list of the papers with which it exchanges. The *Tech* is among a large number of college papers which, though they exchange with many periodicals from sister colleges, conduct no exchange column themselves. This brings up the question which has always been in our mind as to whether the exchange column should form so constant a feature in our own paper as it has done thus far. Not that we oppose the custom of exchanging in any way,—on the contrary our policy is to constantly increase our exchange list. The *Tech* has rather anticipated us in their thought by the following:

"Although *The Tech* publishes no ex-

change column, our exchanges are carefully read and preserved. It is our sincerest wish *The Tech* may be enjoyed and appreciated as much as the college papers which in goodly numbers find their way to this office."

**SPRING FIELD-DAY.**

A NIGHT of rain followed by a morning of threatening clouds through which the sun finally burst forth, combined to make, last Saturday, a perfect afternoon for the annual spring Field-day of the Athletic Association. There had been considerable apprehension concerning the condition of the track at Agricultural Park. For the past month workmen have been engaged in ploughing up the old, firmly-packed road-bed and in constructing a totally different track of softer consistency. The judicious use of a heavy roller resulted in a presentable surface, a little slow for bicycling and walking, perhaps, but satisfactory for the sprinters. By May 23 it will be in excellent shape. At a quarter past two the sports began to the enlivening strains of the Worcester City Band (hired by popular subscription) and continued without material interruption until a quarter past five. The commodious grand-stand was sparingly filled with a select assemblage of the very fairest of Worcester's youth and beauty. But what the 400 lacked in numbers it more than made up in interest and enthusiasm. Many a watchful eye brightened and many a responsive heart fluttered as the Seniors heaved on the tug-of-war, or the orange and black shot to the front in the hurdle races, or the garnet and cream waved triumphantly, or as '92 shook out the sawdust on the jumps. There was a marked absence of class yells, but the breaking of a record brought forth a hearty demonstration of approval. At the close of every well-contested event the whisper seemed to pass from lip to lip: "What time did he make?"

"Does this approach the intercollegiate record?" "Class-feeling" was restrained with the thought of May 23 in mind.

In the printing of the programmes a radical departure was made from the policy of previous years. Under the efficient management of Farnum, '90, a programme was produced, which, by its advertisements, not only paid for itself but turned in a fat little sum to the treasury of the association. The
winners of each event were promptly and plainly bulletined by the liberal use of white paper and blue ink, a feature heartily appreciated by the spectators. The following were the officers of the day: marshal, Albert W. Gilbert, '89; referee, George E. Camp, '88; judges, Albert B. Kimball, '89, Elmer C. Rice, '90, Harry L. Dadmun, '91, H. D. Yates, '92; starter, Myron J. Bigelow, '89; timers, P. H. Hurley, professional, Paul B. Morgan, '90, Fred A. Bigelow, '91; ushers, James A. Baylis, '89, Ellis W. Lazell, '90, Harrison P. Eddy, '91, F. M. Savage, '92. Harry V. Baldwin, '89, was scorer.

The order of events and the winners were as follows:—


120-yards Hurdle Race—1st, Fish, '92, 20 4-5 sec.; 2d, Taylor, '91, 21 1-5 sec.

Putting 16-lb. Shot—1st, Lake, '90, 31 ft. 5½ in.; 2d, Desper, '89, 30 ft. 7½ in.

One-Mile Walk—1st, Bradford, '91, 8.26 4-5; 2d, Clancy, '90, 8.40 3-5.

100-yards Dash—1st, Mills, '89, 10 2-5 sec.; 2d, Rockwell, '90, Allen, '90, 11 sec.

Standing Broad Jump—1st, Fish, '92, 9 ft. 7½ in.; 2d, Barnard, '90, 9 ft. 1 in.

Half-mile Bicycle Race—1st, Harriman, '89, 1.51 4-5; 2d, Davis, '91, 1.52 2-5.

One-mile Run—1st, Taylor, '91, 5.00 4-5; 2d, Bartlett, '89, 5.07 2-5.

Tug-of-war—'90: Crosby, Allard, Davis, Farnum (anchor); '91: Rice, Perham, Alcardan, Dawson (anchor). Won by '90 by 1¾ inches.

Pole Vault—1st, Marshall, '89, 8 ft. 6 in.; 2d, Fish, '92, 8 ft. 1 in.


Two-mile Run—1st, Stearns, '91, 12 min. 33 3-5 sec.; 2d, Wires, '90, 13 min. 1 sec.

440-yards Dash—1st, Mills, '89, 54 1-5 sec.; 2d, Taylor, '91, 58 3-5 sec.

Throwing 16-lb. Hammer—1st, Bartlett, '89, 66 ft. 6 in.; 2d, Farnum, '90, 62 ft. 9 in.

Two-mile Bicycle Race—1st, Harriman, '89, 8.51 2-5; 2d, Davis, '91, 9.04 3-5.

Running High Jump—1st, Fish, '92, 5 ft.; 2d, Armstrong, '91, 4 ft. 10 in.

Half-mile Run—1st, Taylor, '91, 3.48 4-5; 2d, Stearns, '91, 3.49.

Running Broad Jump—1st, Andrews, '89, 19 ft. 1 in.; 2d, Barnard, '90, 16 ft. 10 in.

Tug-of-war, Final—Won by '89 by 3½ in.

220-yards Hurdle, Final—1st, Rockwell, '90, 30 2-5 sec.; 2d, Larchar, '90, 31 sec.

Records were broken by Mills in the 100-yard and 440-yard dashes, by Taylor in the mile run, and by Lake in putting the shot. Mills is running in magnificent form this spring and his work of last Saturday fully justified the confidence of his friends and the predictions that have been made concerning his chances one week from to-morrow. Allen plainly showed the effects of his injury and failed to run in his usual good form. A week's training will get him into much better shape. Andrews made a record in the running broad jump which classes him with intercollegiate winners. In one of the trials he made 19 ft. 7 inches but the soft condition of the ground prevented his recovering properly and the record did not go. Barnard showed up well in the 120-yard hurdle, in which he finished first, but was disqualified by the referee for fouling. Ninety's tug-of-war team pulled in grand style and 89's invincible team had the narrowest possible escape.

Saturday night the following list of entries was mailed to the president of the New England Intercollegiate A. A.:

100-yard dash—Allen, Mills, Dadmun.


Half-mile run—Dadmun, Taylor.

One-hundred-and-twenty-yard hurdle—Barnard, Dadmun.


Running high jump—Fish.

Mile run—Dadmun, Taylor.

Throwing 16-pound hammer—Bartlett, Farnum.

Quarter-mile run—Mills.


Two-mile bicycle race—Harriman.

Putting 16-pound shot—Desper, Lake, Patterson.

Standing broad jump—Fish.

Running broad jump—Andrews, Dadmun.

Two-mile run—Stearns, Wires.

Mile walk—Bradford, Clancy, Devlin, Fish.
Rev. W. W. Smith, the best base-ball pitcher Princeton ever had, has accepted a call to the pulpit of the Central Presbyterian Church, New York, at a salary of $7,000.—Ex.

The Department of Civil Engineering has already received a considerably greater number of applications for this year's graduates to engage in railroad work, in permanent positions, than it is able to fill.—Tech.

Princeton now possesses a high-jumping phenomenon who, in practising the high jump, turns a somersault over a bar six feet four inches. If this will be allowed at the intercollegiate championship meeting, the acrobat will leave champion Page's record in the shade.—University News.

A foot-ball tournament in kicking begins to-day. It is to take place on the land back of Divinity Hall and is to last three weeks. At the end of each week, every man's score is to be made out, and a cup will be given to the man having the best record. Every candidate will have to kick 30 balls, taking about half an hour, from different positions, every day except Saturday.—Crimson.

BASE-BALL.

BASE-BALL at the school has taken a decided boom within the past month, a fact due principally to the splendid weather and a hot rivalry between the classes to obtain the coveted championship. The class games have awakened more interest this year than ever before. Up to May 13th, games have been played (or postponed) as follows:

<table>
<thead>
<tr>
<th>Date</th>
<th>Opponent</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>April 20</td>
<td>'91 vs. '92</td>
<td>'92, 30; '91, 29.</td>
</tr>
<tr>
<td></td>
<td>'91 vs. '92</td>
<td></td>
</tr>
<tr>
<td></td>
<td>'90 vs. '92</td>
<td></td>
</tr>
<tr>
<td></td>
<td>'90 vs. '91</td>
<td></td>
</tr>
<tr>
<td></td>
<td>'90 vs. '91</td>
<td></td>
</tr>
<tr>
<td></td>
<td>'90 vs. '91</td>
<td></td>
</tr>
<tr>
<td></td>
<td>'90 vs. '91</td>
<td></td>
</tr>
<tr>
<td></td>
<td>'90 vs. '91</td>
<td></td>
</tr>
<tr>
<td></td>
<td>'90 vs. '91</td>
<td></td>
</tr>
<tr>
<td>May 1</td>
<td>'89 vs. '91</td>
<td>'91, 15; '89, 5.</td>
</tr>
<tr>
<td></td>
<td>'89 vs. '91</td>
<td></td>
</tr>
<tr>
<td></td>
<td>'89 vs. '91</td>
<td></td>
</tr>
<tr>
<td></td>
<td>'89 vs. '91</td>
<td></td>
</tr>
<tr>
<td></td>
<td>'89 vs. '91</td>
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</tr>
<tr>
<td></td>
<td>'89 vs. '91</td>
<td></td>
</tr>
<tr>
<td></td>
<td>'89 vs. '91</td>
<td></td>
</tr>
<tr>
<td></td>
<td>'89 vs. '91</td>
<td></td>
</tr>
</tbody>
</table>

Unfinished.
Games are also scheduled to be played between '90 and '92, May 13; and '90 and '91, May 17. Not counting the game on May 6, only three innings of which were played, the standing at the present time for the class championship is seen from the following table:—

<table>
<thead>
<tr>
<th>Played</th>
<th>Won</th>
<th>Lost</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ninety</td>
<td>3</td>
<td>2</td>
<td>1.000</td>
</tr>
<tr>
<td>Ninety-one</td>
<td>3</td>
<td>2</td>
<td>0.666</td>
</tr>
<tr>
<td>Ninety-two</td>
<td>2</td>
<td>1</td>
<td>0.500</td>
</tr>
<tr>
<td>Eighty-nine</td>
<td>4</td>
<td>0</td>
<td>0.000</td>
</tr>
</tbody>
</table>

From this it will be noticed that '90 has a good lead and, barring accident, ought to win. '91 had to succumb to the Preps in the first game of the series, much to the chagrin of the Juniors. '92 stock was away up the first of the month but recent games have caused it to take a tumble. '89 is hopelessly in the soup.

The full scores of all the contests but one have appeared in print in the *Telegram*. This game took place April 29th, ninety defeating ninety-two. The score:—

### NINETY

<table>
<thead>
<tr>
<th>A.B.</th>
<th>R.</th>
<th>T.B.</th>
<th>S.B.</th>
<th>P.O.</th>
<th>A.</th>
<th>E.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rice, s.s.</td>
<td>4</td>
<td>2</td>
<td>3</td>
<td>5</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Morgan, c.f.</td>
<td>4</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>C. Treadway, 2b.</td>
<td>4</td>
<td>2</td>
<td>2</td>
<td>3</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>Crosby, c.</td>
<td>4</td>
<td>2</td>
<td>1</td>
<td>0</td>
<td>6</td>
<td>0</td>
</tr>
<tr>
<td>Rockwell, 3b.</td>
<td>3</td>
<td>2</td>
<td>0</td>
<td>1</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>F. Treadway, p.</td>
<td>3</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>0</td>
<td>8</td>
</tr>
<tr>
<td>Cook, 1b.</td>
<td>4</td>
<td>0</td>
<td>1</td>
<td>1</td>
<td>3</td>
<td>0</td>
</tr>
<tr>
<td>Barnard, l.f.</td>
<td>3</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Lake, r.f.</td>
<td>3</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>0</td>
</tr>
</tbody>
</table>

**Totals:** 32 15 12 16 15 11 5

### NINETY-TWO

<table>
<thead>
<tr>
<th>A.B.</th>
<th>R.</th>
<th>T.B.</th>
<th>S.B.</th>
<th>P.O.</th>
<th>A.</th>
<th>E.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Southgate, 1b.</td>
<td>3</td>
<td>3</td>
<td>1</td>
<td>1</td>
<td>8</td>
<td>1</td>
</tr>
<tr>
<td>Needham, 3b.</td>
<td>3</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Yates, s.s.</td>
<td>3</td>
<td>2</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>0</td>
</tr>
<tr>
<td>Freed, c.</td>
<td>3</td>
<td>0</td>
<td>1</td>
<td>2</td>
<td>6</td>
<td>1</td>
</tr>
<tr>
<td>Priest, c.f.</td>
<td>3</td>
<td>0</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Morse, p.</td>
<td>3</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>6</td>
</tr>
<tr>
<td>Parks, 2b.</td>
<td>3</td>
<td>0</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>Bracken, l.f.</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Andrews, r.f.</td>
<td>3</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1</td>
</tr>
</tbody>
</table>

**Totals:** 26 5 8 10 15 12 11

Earned runs—'90, 1; '92, 3. Two-base hits—Rice 2, C. Treadway, Crosby, Yates, Freed. Double plays—Freed and Southgate. Base on balls—Rockwell, F. Treadway, Barnard, Southgate, Bracken. Passed balls—Crosby, 2; Freed, 5. Left on bases—'90, 5; '92, 8. First base on errors—'90, 6; '92, 3. Struck out—by Treadway, 8; by Morse, 5. Umpire—Penniman, '89.

All the games have been characterized by heavy batting and loose fielding, but these features have served only to make the fun faster and more furious. The second game between '89 and '90 was a terrific batting contest. The score:

### NINETY

<table>
<thead>
<tr>
<th>A.B.</th>
<th>R.</th>
<th>T.B.</th>
<th>S.B.</th>
<th>P.O.</th>
<th>A.</th>
<th>E.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rice, s.s.</td>
<td>8</td>
<td>7</td>
<td>6</td>
<td>8</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>Morgan, c.f.</td>
<td>2b.</td>
<td>8</td>
<td>6</td>
<td>3</td>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>C.F.T'r'dw'y, 2b.p.</td>
<td>7</td>
<td>9</td>
<td>4</td>
<td>6</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Crosby, c.</td>
<td>10</td>
<td>5</td>
<td>5</td>
<td>9</td>
<td>0</td>
<td>5</td>
</tr>
<tr>
<td>Rockwell, 3b.</td>
<td>9</td>
<td>7</td>
<td>7</td>
<td>10</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>F.W.T'r'dw'y,p.lf.</td>
<td>9</td>
<td>5</td>
<td>6</td>
<td>8</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>Cook, 1b.</td>
<td>9</td>
<td>7</td>
<td>3</td>
<td>9</td>
<td>3</td>
<td>9</td>
</tr>
<tr>
<td>Barnard, l.f. c.f.</td>
<td>8</td>
<td>3</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>Lake, r.f.</td>
<td>8</td>
<td>3</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>0</td>
</tr>
</tbody>
</table>

**Totals:** 75 52 39 61 14 *26* 17 11

### EIGHTY-NINE

<table>
<thead>
<tr>
<th>A.B.</th>
<th>R.</th>
<th>T.B.</th>
<th>S.B.</th>
<th>P.O.</th>
<th>A.</th>
<th>E.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rhenut, 1b.</td>
<td>6</td>
<td>4</td>
<td>3</td>
<td>3</td>
<td>1</td>
<td>7</td>
</tr>
<tr>
<td>Kimball, s.s.</td>
<td>6</td>
<td>2</td>
<td>4</td>
<td>4</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>Marshall, 3b.</td>
<td>6</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>4</td>
</tr>
<tr>
<td>Hartwell, p. &amp; c.</td>
<td>6</td>
<td>2</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>Penniman, r.f.</td>
<td>7</td>
<td>3</td>
<td>5</td>
<td>10</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>Sessions, 2b.</td>
<td>7</td>
<td>3</td>
<td>4</td>
<td>4</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>Hathaway, c.f.</td>
<td>7</td>
<td>2</td>
<td>2</td>
<td>3</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Hadley, c. &amp; p.</td>
<td>6</td>
<td>4</td>
<td>10</td>
<td>3</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>Southgate, l.f.</td>
<td>5</td>
<td>4</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

**Totals:** 56 25 24 35 10 27 19 19

*Out for not running.*

Innings, 1 2 3 4 5 6 7 8 9

Ninety, 4 0 8 3 1 12 11 9 4—52

Eighth-nine, 2 2 3 0 0 8 2 0 25


April 20th saw a very even struggle between '92 and '91, from which '92 finally came off victorious. In the last inning '91 made a brace and came within an ace of winning. The score:

### NINETY-TWO

<table>
<thead>
<tr>
<th>A.B.</th>
<th>R.</th>
<th>T.B.</th>
<th>S.B.</th>
<th>P.O.</th>
<th>A.</th>
<th>E.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Southgate, 1b.</td>
<td>3</td>
<td>3</td>
<td>2</td>
<td>4</td>
<td>12</td>
<td>0</td>
</tr>
<tr>
<td>Tucker, 2b.</td>
<td>7</td>
<td>4</td>
<td>3</td>
<td>6</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Needham, s.s.</td>
<td>7</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>Freed, 3b.</td>
<td>7</td>
<td>3</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>Morse, p.</td>
<td>7</td>
<td>6</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>Parks, c.</td>
<td>7</td>
<td>5</td>
<td>1</td>
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**Totals:** 64 30 15 21 27 13 23
Nineteenth annual catalogue of the Institute has just left the hands of the printer and binder and is found to be changed in several important matters.

This year it is issued from the press of Sanford & Davis of this city. In its presswork and other mechanical features it far surpasses the issue of 1888.

The general make-up is about the same as last year's catalogue. There are 22 more pages, however, making 92 in all. The cut of the Institute, which forms the frontispiece, is tastily printed in colored ink. The letter-press has been materially changed and for the better. The statements which have appeared regularly from year to year have been modified to meet the present conditions. The work of each department of the school is explained more fully than ever before. The statistical information concerning the graduates is very complete.

Not the least pleasing feature is the absence, from the last page of the cover, of the wine decanter, the Latin motto and the balanced sphere which have hitherto formed the "seal" of the school. The last page is blank, but on the title-page appears a new seal more in harmony with the Institute and which contains a motto in German, a language that all of us can understand and appreciate.

A NEW JANITOR.

"O TEMPORA! O mores!" John Hurley, "the friend of '88," and of every other class from '92 down to '71, has been deposed from his office of janitor and a new man invades the sacred precincts which bound a realm that "John" has occupied ever since the cornerstone of Boynton Hall was laid, if we except the first two years when a man was employed who made himself so obnoxious to the boys that he was quietly given leave to withdraw at the expiration of that probationary period.

"Quantum mutatus ab illo!" Then nothing was beyond his ability and his fitness for the office was unquestioned. But the weight of advancing years and the addition of important responsibilities have made a change imperative, and now John must step down and out to make room for a younger man with a stronger physique and more enthusiastic purpose.

For twenty years John Hurley has seen classes come and go from Boynton Hall. For twenty years students who have passed through the portals of the Institute have had in him a devoted friend and a proud admirer. For twenty years John has, to the best of his ability, aided the boys against the machinations and intrigues of the faculty. Not a word derogatory to any student ever passed his lips, and often wrong-doers, in the sorest need, found in him a valiant champion.

For nearly a quarter of a century, John has had, every autumn, a full cider jug in the cellar, and a generous heart. We shall miss these. We shall go over to the cider mill with a new jug and a
mournful heart, and we shall be sorry that John does not await us on our return to enjoy it, the contents of the jug, in his former capacity as janitor. But he will enjoy it all the same for he has not wholly left the school. He is at work in the shop and let us hope that he will remain there and give the sunlight of his presence to numberless classes of the future.

The old man has hosts of friends among the boys and you bet, John, that when Thanksgiving comes around every year, you will receive the usual testimonial of appreciation and esteem.

The new janitor's name is Clarkson Smith.

PROPOSED SUMMER EXCURSION.

PROF. Gladwin is organizing a party to make an excursion to Hudson's Straits and Northern Labrador, the coming summer.

It is proposed to start from Sydney, Cape Breton, about the twelfth of July and the entire voyage will consume about six weeks. One of the strong sealing steamers of Newfoundland, in command of an experienced officer and manned by a capable crew, will be employed, and everything will be done to promote the comfort and enjoyment of the excursionists during the entire passage.

Cruising along the coast of Labrador will be a pleasing feature of the voyage, and those studiously inclined will have a good opportunity to investigate a region of unusual interest to the geologist and the student of natural history. The Moravian missions along the coast will make interesting points of visit. Ample sport in shooting wild fowl and in deep sea fishing is assured.

The party will number about fifty and the cost of the trip will not exceed $250.

It is a novel idea to take a summer excursion like this and there is no reason why it should not be highly enjoyable.

An opportunity to make the acquaintance of Esquimaux, polar bears and icebergs does not come very often and seldom under such favorable conditions as the present.

Students who have finished their extra practice and have made no plans for the summer can find in this excursion a delightful means of passing the vacation.

Further particulars may be learned from Prof. George E. Gladwin, 16 Harvard Street, Worcester.

A RESIGNATION.

WINDSOR T. White, '90, the captain of the foot-ball eleven during the seasons of '87 and '88 and the newly elected manager of the team for '89, is ill at his home in Cleveland and will not return to school until next September. He has sent on the following resignation to be acted upon by the Athletic Association:

To the W. P. I. Athletic Association:

GENTLEMEN,

It is with a great deal of regret that I ask you to accept my resignation as manager of the foot-ball eleven.

Very truly yours,

WINDSOR T. WHITE.

In accepting this resignation the Athletic Association has a very painful duty to perform and should hesitate some time before doing it. White has been the mainstay of foot-ball at the school for the last two years and this year's eleven would sadly miss his experience and the very important services he could render it in the office of manager. Although it is understood that he resigns solely on account of the pressure of school duties that will ensue on his return to school and is firmly settled in this determination, it is hoped that he will reconsider his resolution before the school comes together again after the summer vacation.
COMMENDABLE CLASS SPIRIT.

The following communication from a member of the class of '92 voices a sentiment the expression of which is as unusual as it is refreshing: Class feeling like this deserves to be cherished as the most precious jewel.

To the Editor of the WPI:

I think it is my duty as a Prep. to speak of the very hospitable and gentlemanly way in which we have been received by the higher classmen.

Perhaps all of us have not fared alike and perhaps I have been more lucky than my fellow-classmen, but I certainly think that it is not the case. I have never been in a school or college, and I think all of us can say the same, where the lowest class was received so friendly or treated with as much respect as we have been here.

It is true we lose some of our lunches in the shop, have our towels and overalls used, and generally wash in cold water, but we can expect nothing less than this, for we console ourselves by the fact that we are not always going to be Preps.

In most all other colleges, as everyone knows, those of the freshman class are always treated as inferior beings and shown as little respect as possible, but such has not been the case with us. We have been received and treated like gentlemen, and I am sure we shall always try and retain the goodwill and friendliness which is now felt towards us.

'89's THESIS.

The Senior class have chosen their subjects for theses as follows:

Physics.
R. W. Smyth, Determination of "h."

Civil Engineering.

Chemistry.
H. V. Baldwin, Adulteration of Lard; F. H. Brophy, Nitrogen in Coal; E. W. Desper, Copper Determination; H. L. Houghton, Massachusetts and Rhode Island Coal.

MECHANICAL ENGINEERING.

THE TRUSTEES MEET.

The Board of Trustees of the Institute held their annual meeting April 20. The session was strictly private and the results of the meeting were not disclosed to the local press.

Matters of considerable importance to the school were discussed.

After this date no young man over twenty-one years of age will be admitted to free tuition. This is done with a view to limiting the number of students who enjoy gratis the privileges of the Institute. At the present time there are 135 men in the school under free scholarships, a number quite out of proportion to John Boynton's original plan.

No definite steps were taken towards lengthening the course of study to four years.

Two or three plans for the success of the Institute are understood to have been formulated and the work put into the hands of committees.

The rumor that the Board appropriated $15,000 to build and equip a gymnasia for the school was found to be without foundation.
PERSONALS.

F. S. Hunting, '88, visited the school a short time ago.

H. W. Wyman, '82, sails for Europe the last of this month.

B. E. McDonald, '84, is chemist for the Steel Car Wheel Co. of South Boston.

W. H. Desper, '79, sub-master of the Brookline High School, was in the city recently.

Horace Ropes, '78, is in the employ of the Boston and Maine R. R., with headquarters at Salem.

The engagement is announced of Mr. E. S. Frary, of the class of '90, to Miss Carrie L. Paige of this city.

J. W. Churchill, '91, has left school much to the regret of the foot-ball men. It is hoped that he will return in the fall.

Prof. George I. Alden of the faculty is to go abroad in June with a society of engineers and will spend the summer in Europe.

Joseph Beals, '85, has entered upon his new duties as superintendent of the manual training department of the High School at Fall River.

Mr. Walter G. Wesson, '86, now a teacher at Forsyth's private school in Philadelphia, was in the city recently enjoying a short vacation.

George I. Humphreys, engineer at the shop, is convalescing from a long and painful illness, and everybody is glad to see him about once more.

A. D. Risteen, '85, is associate editor of The Locomotive, a monthly published by the Hartford Steam Boiler and Inspection Co. It is kept on file at the Public Library.

Charles G. Washburn, '75, was married, April 25th, to Miss Caroline Vinton Slater, daughter of H. N. Slater of Providence. They will reside in Mr. Washburn's new house at the corner of Elm and Linden streets, this city.

John F. Kyes, '76, writes the WPI that steel gray was adopted as a school color prior to 1873. About this time a committee report which was accepted by the school added crimson. Mr. Kyes served on this committee and he himself made the suggestion that steel-gray and crimson would make a good combination. This fixes the school colors as steel-gray and crimson and the time of their adoption as 1873.

The school will be interested in the following clipping from the Redlands (Cal.) Citrograph, for March 30th:

"The last meeting of the botany class was well attended and several flowers were analyzed. The question under discussion was, 'How climbing plants find their support.'
At the close of the exercise many pleasant words were spoken to Mr. Eaton, the talented and genial lecturer, and afterwards a most appropriate souvenir was presented in a delightfully quiet way. This valuable present consisted of the two large volumes of the California Botany, edited by Gray and Watson, and the two volumes of 'The American Commonwealth,' by James Bryce. This latter work is called by Eggleston 'The Full Length Portrait of America.' Mr. Eaton desires through these columns to express his hearty thanks not only for the fine present but for the attentive hearing which has been given at the lectures, and still more for the privilege of calling so many of the best citizens of Redlands his friends."

TECHNICALITIES.

'92 now goes out sketching Sundays and loaf all the rest of the week.

"Dad." is a big success as a broken collar-bone and bunged elbow wrestler.

Boys! Haven't you forgotten that you must not "spiel" ball in the quadrangle?

An enterprising Junior learns the binomial theorem to the tune of the "Sweet Bye and Bye."

This year Middle B had the advantage derived from taking account of stock at the shop.

If enthusiasm could be bought it would be well for some of the Preps to purchase a little.

Two of the Preps went on a picnic about three weeks ago and got into a complicated state of affairs.

The preparation of theses seems to have interfered considerably with the work of the '89 ball team.

Will Hurley can play in the outfield in great style and somebody ought to give Burnham a pointer about him.

A facetious Junior who was thrown out at second base in one of the ball games said he felt considerably put out.

It's funny how the Preps love to paint.

Dexter Rice's room is like the Front St. Musée. It is always crowded.
The Middlers are beginning to find out what a mighty subject mathematics is. Calculus is very largely the cause of it.

All the '91 base ballists have been kicking themselves and each other for losing the first Prep. game. Accidents will happen.

The cage in the wood room, otherwise known as the tool room, has been enlarged. They say it was for "Robbie's" special benefit.

The quality of the towels which the Preps are now furnishing is first class and the Middler mechanics hereby tender a heartfelt vote of thanks.

Mr. Badger's amateur carpenters are enjoying an immunity from saw-cuts and chisel-gouges that is remarkable. Joe Taylor must be a mascot.

The student guilty of the statement that "Worcester's chances in the two-mile run depend wholly upon what Ellis we get" deserves a lingering death.

Ninety's base-ball suits are very striking. From the score it would seem as if every man on the team was greatly influenced by his suit in their last game with the Seniors.

It is said that it was a deep-laid scheme which recently brought one of our popular professors on to the platform to conduct chapel exercises. Variety is the spice of life.

Stanley Brennan, the pole vaulter and high jumper of the High School, intends to enter the Tech in the course of a year or two. He will be a big addition to the Inter-collegiate team.

The howl that was spoken of as issuing from the shop wash-room at five o'clock is generally raised when the Preps find that the Middlers have run out all the hot water and stolen all the soap.

When Tucker got back from Boston, he said the swelling on the side of his head was caused from having teeth extracted, but we know how to account for such things when men come back from Boston.

Enough patriotism was evoked on the occasion of the anniversary of Washington's inauguration to secure the reading of his inaugural address and the attendance of a majority of the Faculty in chapel.
would be well for its members to take some
action at once concerning it. But a few
weeks remain now before the close of the
term, and nothing can be done if it is not
done at once.

The challenge of the Unas to the classes
'89 and '90 of the "Teck" created a good
deal of amusement. It is not at all queer
however that even the twelve-year-old colts
should be willing to cross bats with clubs
that will roll up such an enormous score as
52 to 25. Such scores as have been made
in most of the class games are absurd.

Three civils of '91, while practicing one
Monday afternoon, experimented with the
dangerous end of a loose plank and a
broken transit is the result. "Sic transit
gloria mundi," which, being translated,
reads: "Thus the transit passes away on
Monday."

Mr. Green of the Free Public Library in
this city wishes to obtain a complete file
of Vol. I. of the WPI. The missing numbers
are dated Dec., 1885, Jan., Feb., April and
May, 1886. Anybody having these issues
of the paper in his possession will find a
ready purchaser by addressing the editor-in-
chief.

Prof. (during chemistry quiz, spying a
student examining a piece of paper):
"Mr-r-r. A----, what is that paper you
have there?"

Student (blushing profusely and thrusting
the paper in his pocket as if caught in
the act of stealing a chicken): "Receipt
for chemistry fees."

When Scott wrote "His peaceful day was
slothful ease," he must have had a Middler
in mind, and when he said
"Their gain, their glory, their delight,
To sleep the day, maraud the night,"
he must have thought of those Seniors who
get out of practice Friday noon and in the
next three days learn all the following
week's lessons.

The presentation of a pair of running
shoes to the winner of the 100-yards dash
was a very good idea. In other institutions
the plan has been followed to a greater ex-
tent and all the prizes have been presented
by enterprising merchants of the place in
which the sports take place, as an advertise-
ment. Worcester dealers would do well to
follow such a plan.

Most of the workmen have evacuated the
new building, and now some one has pro-
posed holding a reception there for public
inspection. This is a good idea. In the
evening we could have a banquet, with
members of the city government and other
dignitaries invited. Speech making would
follow and the whole affair could end up
with a dance.

The WPI is in want of another editor
from the class of '91, and all available can-
didates are requested to stand up and be
counted. He must understand at the outset
that his name is put at the head of the edi-
torial columns not merely to add dignity to
the paper. It calls for work first, last and
all the time, and if he does good work he
can have the satisfaction of being well paid
for it. Who bids for the place?

The following officers for the intercol-
legiate field sports have been engaged:
Referee. George R. Carr, President of the
Manhattan Athletic Club. Timers. George
A. Avery, Manhattan Athletic Club; C. C.
Hughes, Secretary, Manhattan Athletic
Club; S. J. Cornell, Manhattan Athletic
Club. Judges, A. C. Palmer, Manhattan
Athletic Club; G. M. L. Sacks, Manhattan
Athletic Club; Walton Storm, Manhattan
Athletic Club. Starter, H. P. Pike, Man-
hattan Athletic Club.

Eighty-nine has voted to abandon the
plan for a reception at graduation, as there
seems to be no opportunity to put it in
without interfering with other arrangements.
The class is to issue a souvenir of gradu-
ation, which shall contain the programs of
class day and graduation exercises, the
class day appointment, roster of the class,
statistics, etc., and designs for it, presented
by the printing committee, have been ac-
cepted. All the engraving and printing is
done by Bailey, Banks and Biddle, of Phil-
adelphia.

A member of the faculty who was sitting
on the stone wall watching an exciting con-
test in Bliss's field, between two nine's from
Lily and John streets, March 22, was struck
in the ribs by a batted ball from a game be-
tween '90 and '89 on Dewey's field, which
would otherwise probably have netted a home
run. As it was it was good for only a two-base
hit, and the umpire was so overcome that he
forgot to declare "block ball." The name
of the man who batted the ball is suppressed
out of consideration for his personal mark.
The arrangements for the annual meeting of the Q. T. V. fraternity, to be held in this city, May 24 and 25, are in the hands of the local chapter of the Polytechnic Institute. H. C. Stowe, '89, F. W. Treadway, '90, and L. N. Farnum, '90, are the delegates from the Institute and will have direct charge. They are to confer with W. G. V., John W. Hatch of Boston and complete the arrangements for the meeting. The colleges represented in the fraternity, which is the only Latin letter society in America, include Maine State college, Dartmouth, Amherst Agricultural, Cornell, Pennsylvania State college and the Institute. About 25 delegates are expected at the meeting.

The Junior class has a comparatively easy time in mathematics if the following from the Cornell Sun of May 3 shows the true state of affairs:—

"Editors Cornell Sun:"

"I wonder if the Faculty know that while they maintain instruction in Christian Ethics at one end of the campus, there is, at the other end, practical encouragement in fraud and lying. Freshmen in Trigonometry have very large lessons to prepare. To work so many examples requires many hours' toil. A recent lesson for the 3-hour sections required of the best students 6 hours, of others 8 hours. In one section the other day, only one (an unusually brilliant student of Mathematics) had done all the work. It took him 4 hours. This sort of thing is exacted of those carrying three languages and other work besides. Nearly all in the 3-hour sections are behind in their work, some so far that it would take them 20 hours or more to catch up. Yet the instructor requires his pupils to be prepared to submit all examples worked out in a book, and to certify in writing that no copying has been done. For many it is impossible to do this and keep up with other work. Much copying is the result backed up by lying certificates. It will probably be worse this term than it was last. '92."

Bliss's field every pleasant afternoon is the scene of sanguinary struggles between rival ball nines which come all the way from Pine Meadow and Scalpingtown. The average game runs something like this:

1st Inning—Many daring plays are made and the air is full of technical expressions. Young Mike Kellys and Buck Ewings play ball for all they are worth, and the score at the close of the inning is 27 to 29.

2d Inning—in this inning the pitchers get rattled and spend most of their time swearing at the centre fielder. The third baseman threatens to lick any man that calls him a coon.

3d Inning—the score runs up into the sixties and all the bats are broken. During a lull in the conflict the two nines gather around the umpire with sinister motives and clubs. Finally his corpse is swept off the diamond and play is resumed. Then it is discovered that the scorer has fled to the Boulevard. There is a hot wrangle over the score and many battered faces and closed optics result. After a while the atmosphere clears and next morning's Telegram says:

"We are the stuff, the Swipers of Ward Street. We licked the Ball Swallower yesterday by a score of 97 to 48. They ain't the ones what could play a little bit. Bandylegged Bob, who lets grounders through him, has been released. Barney O'Toole, Manager."

According to present indications, a student entering the school at about 1895 will be greeted with catalogue rules something after this fashion: Students going to and from the buildings will please wear mocassins or some other soft foot wear. Loud footsteps are liable to disturb the flies, grasshoppers and other innocent insects living in the neighborhood. Especial attention to the above rule is desired from students approaching by the slope on the southeast corner of the grounds as hobnailed boots or heavy heeled shoes are liable to injure the "ash felt" walk. Any student desirous of whistling within a radius of a half mile will please do so through a finely woven sieve. Such precaution will aid in lessening the sound. No song birds allowed on the premises. Dogs under forty pounds allowed with special permission after vote of the faculty. Ducks flying north and desirous of passing over the Institute buildings will please to do so quietly. Otherwise they will please go by way of Salisbury pond. Students will please not eat snow or pick icicles on the grounds during the winter; is liable to injure the vegetation in the spring. Three unexcused marks will be allowed during the course. Only stereotyped excuses accepted; for list apply to monitor. The use of any others will be grounds for suspension. Attention is called to the fact that the four faces on the clock tower are always all different. Students must attend recitations by the fastest face and if proper excuse is given will be dismissed by the same.
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CIGARETTES
are made from the brightest, most delicately flavored, and highest cost GOLD LEAF grown in Virginia. This is the
OLD AND ORIGINAL BRAND OF STRAIGHT CUT
Cigarettes, and was brought out by us in the year 1875.
Beware of Imitations, and observe that the FIRM NAME, as below, is on every package.

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RICHMOND, VIRGINIA.

Send for Catalogue.

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Fall of 1888.

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