

B. Ellis Eaton, of the same class, has accepted a position in horticulture in Bridgeport, Conn.

There have been several other calls for competent men in this department, which cannot be filled for lack of suitable applicants.

LIBRARY NOTES.

Physiology of Plants, by D. F. Macdougall, Ph. D., director of the laboratories of the New York Botanical Garden. The arrangement of the subject in this volume is an effort to place before the student a method by which a working knowledge of the physiological complex of the plant may be acquired. The disposition of the subject matter consists in the study of the particular functions and properties of the organism. In connection with the forces and agencies which influence or initiate them, and a consideration of the general processes of plant life. The first portion of the book is devoted chiefly to the special forms of irritability exhibited by typical organisms, and the second part is taken up with a more critical consideration of the broader phases of the activity of the plant. A discussion of the principles of the subject is interwoven with the directions for practical demonstration in order to afford means of interpretation of the experimental results secured. Dr. Stone of this college revised a chapter dealing with the relations of electricity to plants, and outlined some of the experimental work upon the same topic. This chapter describes the nature of influence of electricity upon plants, measurement of differences in electric potential, differences in potential due to metabolism, differences in potential between illuminated and non-illuminated portions of a stem, effect of electric current upon streaming movement of protoplasm, influence of induced current upon Mimosa, influence of currents of electricity upon growth, direct current; effects of continuous stimulation, effects of alternating secondary currents, influence of static electricity, electrotropism, electrotonus. It is an excellent text-book for the student of botany.

Methods in Plant Histology, by Charles J. Chamberlain, Ph. D., instructor in botany in the University of Chicago. This volume was published over a year ago as a series of articles in the *Journal of Applied Microscopy*. The first part of the book deals with the principles of fixing and staining, and the various other

processes of microtechnique, while in the later chapters these principles are applied to specific cases.

Animal Behaviour, by C. Lloyd Morgan, F. R. D.
Blossom Hosts and Insect Guests, by William H. Gibson. An exposition of the method by which flowers are fertilized. The history of the discovery of the method of flower fertilization is first carefully traced, then the method is worked out and explained in the case of an abstract flower, and the modifications of the various flower organs due to their adaption to their insect visitors, by means of natural selection pointed out. The remainder of the book consists of twenty-five concrete examples of different methods of cross-fertilization. These examples stand as types of the ordinary processes adopted by nature.

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COLLEGE SIGNAL

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AMHERST, MASS., NOVEMBER 6, 1901.

NO. 3

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MAY 15, 1895. POST OFFICE AT AMHERST, MASS.

Editorials.

With our game with Amherst on next Saturday afternoon, our football season for 1901 will come to an end. In the past few weeks the management has had much with which to contend. The schedule, carefully prepared though it was, has through no fault of ours been almost ruined by repeated cancelling of dates by opposing teams. As a result the team has been obliged to struggle along with what little practice could be obtained from a varying and far inferior scrub. Deprived of our coach after the first week, we were unable to secure a successor till it was too late to secure much improvement. To complete our misfortunes, accidents have multiplied of late, till we now are obliged to face our most important game with a team composed largely of substitutes and sorely in need of adequate practice. Judging from the records of the two teams and their relative opportunities for development, conditions are not as favorable as could be hoped for. Yet it has been characteristic of our teams to make their best showing under well-nigh

hopeless conditions; and we still have confidence that our team may be depended upon to do all that can reasonably be expected.

The many changes in educational methods of late years are forcibly illustrated by the rise and development of the Correspondence Schools. These have started from small beginnings in the simpler branches of instruction and have expanded in scope till they now include almost every phase of learning. One of the more enterprising, the Home Correspondence School of Springfield, has recently added complete courses along the lines of agricultural education to its curriculum. Their text-book on agriculture from the pen of Prof. W. P. Brooks of this college has just been issued in three practical and comprehensive volumes. It is hoped that in a short time the manager will be able to so extend their courses as to enable a young man of limited means to take from one to two years of a college course at home, thus reducing the expense to such an extent that many otherwise debarred from a college training will gain many of its benefits.

WHEN the matter of adopting a new name for this paper came up for discussion the editors were in something of a quandary. We desired to make our title both expressive and significant. Upon experiment however we found that we could not include the name of the institution, owing to its great length and clumsiness. Nor could we retain the word "Life" as we had hoped to do, the only satisfactory combination "College Life" being already in use by a western college. At this stage we called for designs and several were submitted by students as well as by professional designers. Of these the idea of Mr. W. A. Smith of the Sophomore class met with special favor. The COLLEGE SIGNAL indicated the rank of the institution, and accompanied as it was by the banner with the college "M" it also called attention to what we hold most dear in our college. At a meeting of the board the COLLEGE SIGNAL was formally adopted. Competition for a cover-design however still continued and many modifications of Mr. Smith's idea were received. At the end of the contest, it was the unanimous opinion of the board that the most desirable of all was that of Mr. C. A. Tinker, the artist for the 1904 Index, and it is his design that now adorns our cover. In justice to both Mr. Smith and Mr. Tinker however we hope it will be remembered that to both credit is due. The honor of naming the college paper and suggesting the general plan for the design belongs to Mr. Smith; that of working out the original plan in thoroughly artistic fashion belongs to Mr. Tinker. The SIGNAL board takes this occasion for publicly thanking both for their assistance.

By a vote of about 115 to 4 the student body in a recent mass-meeting voted to exclude the term "Aggie" from all publications. In accordance with this overwhelming tide of student sentiment, the AGGIE LIFE board had no option but to change their title to something in accord with this vote. The COLLEGE SIGNAL is the result. We need not say that in no other way has any change been made. Nor is any to our knowledge contemplated. The board, the subscription and exchange lists, the advertising contracts and the general policy of the paper remain as before. The students have said simply that the unofficial nickname "Aggie" shall not be used in place of the official name in the public print. The reports

variously circulated in certain papers charging us with abolishing or even attempting to abolish any portion of the official name of this college are entirely without foundation. We would advise the *New England Homestead*, the *New England Farmer* and certain others to obtain their information from official sources hereafter before indulging in too violent hysterics in the future. To our alumni, in view of the agitation last spring our action will undoubtedly come as a surprise. Like themselves we had considered the matter as closed. The action of the students was not done at the request of the board, but as the result of a tide of popular opinion which we could not have withheld. We reversed our action of last spring in deference to the wishes of the student body. Our policy has been approved by nearly every member of the Faculty, and by the advertising committee of the alumni. The Rubicon has now been crossed, and Time alone can judge of the outcome. We have acted sincerely and fairly for what we believed to be in the end for the best interests of the college. Abiding in that belief, we stand ready to bear the full responsibility for failure or success.

MOST gratifying has been the response of our alumni to the appeal sent out by the athletic board. Within a week of the date of mailing the circulars enough money had been subscribed to enable us to secure a competent coach for the remainder of the season. Whatever success may attend the team in its closing games will be in great measure due to this most generous response. At the same time the question comes up with even greater emphasis of how we can guarantee permanent support in the future. If we are to accomplish what we desire along athletic lines we must of necessity have the advantage of skilled coaching for an entire season. The problem is a very real one, and one that we must solve at once. As a practical means of raising a considerable portion of the necessary sum, the COLLEGE SIGNAL board desires to make the following proposition at this time. In past years the financial condition of the paper has been precarious at best. A manager who has avoided actual failure has been considered as entirely satisfactory, and as there has been no definite way of disposing of any surplus there has been no incentive toward enterprise. As a result, matters have simply drifted

along in a hand-to-mouth sort of way. At the present time conditions are better than ever before. The present manager has thrown vigor and enthusiasm into his work and his efforts have been rewarded. To-day there are more advertisements than ever before, the subscription list has been increased over twenty-five per cent, and the paper stands on a firmer financial footing than at any other period in its history. It is the manager's theory that a considerable profit can be realized each year, and that any surplus should be applied to athletics. Already he has made a liberal donation to the football management. *If he receives as good support from the alumni as has been furnished in the past* he is confident that next spring he can hand to the incoming manager more than the customary sum and in addition give to the athletic fund upwards of one hundred dollars. In case more of the alumni subscribe the total will be even greater; if for any reason the alumni slacken in their support, the amount will of necessity be less. We hope the alumni will carefully consider the matter and will do nothing to injure the bright prospects in sight for two of our most important college organizations.

THE unfortunate outcome of the Bates game would seem to call for a statement on our part as to the nature of the occurrence. The Bates team was scheduled to play here on Oct. 24. They arrived in town two days ahead of time, coming directly from New Haven, where they played Oct. 22. Unusual interest was manifested in the game here and a large crowd was expected. The game was advertised at some expense and it was planned to sell tickets on the campus. On the day of the game a dispute arose as to the officials. Nothing had been said previously upon this point and, for our part it had been supposed that according to the usual custom in such games each team would furnish one official. Our management had selected Mr. J. E. Halligan as being competent for the position, having officiated satisfactorily at a great many games both for us and for other colleges. The Bates management admitted that they knew of nothing whatever against Mr. Halligan but still refused to accept him; offering, however, it should be stated, to take any other man who might be put forward. The captain of our team had no other object in insisting upon Mr. Halligan's serving than

that he was the most competent man available, had been asked to serve, and no reason had been shown why he should not. Since no previous agreement had been made as to officials it was held that Bates had no right to cast a reflection upon this man's efficiency or honesty by insisting on his not serving. Assurance was given, however, that should any reasonable cause for complaint arise during the game a new official would be substituted at once. This certainly seemed a fair compromise. It is doubtless true that in the games between the Maine colleges, which are of a championship nature, officials are selected by mutual agreement, which difference from the custom in ordinary games in this section may have led to some misunderstanding, but surely such a selection would be spoken of in advance and not left till the day of the game.

No idea existed that this dispute would have other than an amicable ending. A large crowd assembled on the campus, many tickets were sold, and both teams appeared upon the field ready for play. The matter of officials, however, was still unsettled, Capt. Paul adhering to his position that Mr. Halligan should officiate. At this point an entirely new feature in the case appeared. Word was passed about the crowd that in case of a disagreement a game was to be played between *Amherst College* and Bates. A few moments later the spectators were surprised to see the Bates team proceed to their barge and leave the grounds, going by way of the village, and with a short stop at the hotel, to Pratt Field. Those who had bought tickets recovered their money from the ticket-sellers and many of them hurried to the new scene of affairs.

It is difficult to conceive how any team would, for so trivial a reason, break up a game and forfeit a large guarantee, for while in the heat of the discussion each side had adhered firmly to its position, there is no doubt that the matter could have been arranged had the Bates team not been so ready to leave the field. An explanation of the whole affair is not wanting in numerous rumors which have been about, which, however, we cannot and would not wish to substantiate. We will simply state that *early in the afternoon* of the day of the game it was told about town that Bates was to play Amherst that afternoon. Whether or not the affair was actually pre-arranged the fact is admitted

that the Bates manager had approached the Amherst management early in the day for a game "in case the State College game was given up," and that negotiations for such a game were under way. It was expected in town that there was to be a game on Pratt Field, the Amherst manager and coach were on hand to accompany the Bates team when they left our campus, the crowd went directly from one field to the other and the game was reported in the papers next morning in the usual manner. If no bad faith toward us was intended on the side of either party in this *impromptu* affair, certainly the poor taste displayed speaks badly for the judgment of both. Amherst had no need of a game on that date and would have done much better to have avoided any connection with the matter.

After the Bates team had left our campus for another game, causing our receipts and preparations to be a total loss, our management refused to consider any further propositions of any nature from this team and they left town next morning with ill-feeling on both sides. Without regard to the merits of the original contention we feel that we were badly used in the matter, in that the Bates manager attempted to pre-arrange another game, as if expecting to fall out with us, and preferred to break up our game rather than concede our reasonable demand. The whole affair is much to be regretted and we sincerely trust that no permanent bad feeling will result.

TO ALUMNI.

The appended statement has recently been sent out in the form of a circular to a large number of alumni. A prompt and generous response has thus far been met with, so that we have been able to engage a coach for the football team. It is the idea to keep all money obtained in this way strictly for extra expenses; for coaching and similar advantages which our teams would not receive without it. The good results are already apparent in the increased enthusiasm for football and the improvement in the team. Whatever may be the result of the remaining games of the season it is certainly true that our team is at present the best trained aggregation which ever represented this college. We wish to call this matter to the attention of those who have not received the circular and to urge all who have not already done so to contribute

toward this object. All money not used this season will be devoted to other branches of athletics or saved for next year's football team, when it is planned to have a coach throughout the season.

To every loyal son and friend of the Massachusetts Agricultural College:

The remarkable record made by our football team so far this season is one of the most striking advertisements which this college has ever received. Commencing with an overwhelming victory over our old opponents of Holy Cross, never but once beaten by us and that nearly ten years ago, we now glory in the decisive defeat of Wesleyan University, for the past two years champions of the Triangular League. With our large Freshman class and large number of old players the football prospects of the college were never so bright before. The baseball situation will be equally satisfactory when the season arrives. We have the men, we have the enthusiasm, and thus we have the opportunity, but now, as ever, we have not the money necessary to keep a first-class team in the field through the season.

The college does not exist which has made such a record as ours of the past few years under circumstances as unfavorable. Where else are there one hundred and twenty-five students who have put our football and baseball teams to beat Amherst, Bowdoin Middlebury, University of Maine, University of Vermont, Trinity, Wesleyan, Norwich University, Worcester Tech., and the state colleges of Connecticut, and New Hampshire, and all upon no other financial basis than subscriptions from the faculty and local alumni, and taxes upon a student body, poor in money, but rich in loyalty and pride in their college?

This is the situation. It will not require a large sum to carry on athletics for the year in a satisfactory manner. Plenty of victories are assured and the college will be brought before the public as never before but without outside assistance this cannot be done. Our last year's football team failed to materialize on possibilities from lack of proper coaching. The baseball team disbanded in the midst of a successful season for lack of funds. Will you not, now, before the matter is forgotten, do what you can to help? It is your duty and privilege.

MASS. AGR. COLL. ATHLETIC BOARD.
R. E. SMITH, '94, Sec. and Treas.

COMMUNICATION.

AMHERST, OCT. 12, 1901.

TO HOWARD LAWTON KNIGHT, EDITOR-IN-CHIEF OF
AGGIE LIFE:

Dear Sir: In your last issue, in an article on the second page beginning, "The adoption" the writer seems to be seeking a more appropriate name for your College than that now often applied to it: viz. "Aggie." May I ask, has not the college now a name given it by act of the Legislature, and does the writer or "the student body," propose to change that, if so, how? It seems to me the article is very obscure unless you read between the lines. I will look for an answer in your next issue.

Respectfully yours,

LEVI STOCKBRIDGE.

We fear that Professor Stockbridge as well as some others have been misled as to the tenor of the editorial in question. The article referred to the adoption of a new college yell in which the word "Aggie" was replaced by the word "Massachusetts." It in no sense touched upon the official name of the college as this is a matter with which the student body have nothing to do. This is what it has been and seems likely to be for some time, the Massachusetts Agricultural College. Wherever a complete title is to be used this must be the one, and mere college loyalty would demand that whether satisfactory to us or not we yield to necessity as gracefully as possible. No one expects, however, that any such long and cumbersome title will be used unofficially in every day conversation. Some one word must be adopted. We maintain that as the students are the ones who most often use it, it is perfectly within their privileges to determine what the "popular" name shall be. There are two parts to the official title, each supposedly of equal weight. Student opinion in the past has said that the emphatic word shall be "Agricultural," and in response to this sentiment student opinion originated the word "Aggie." This word has been given a thorough trial and we respectfully submit that it has not proved satisfactory. It has been taken to mean practically everything under the sun which we did not intend it to mean, with the result that to the average reader of the daily press it has meant nothing

whatsoever. Coupled of late to the word "Amherst" it has become especially obnoxious, since in the popular mind its effect has been to bestow whatever credit we might otherwise obtain from our athletic career upon another institution which we have little desire to advertise. Nor would the substitution of the entire word "Agricultural" entirely remedy the difficulty, for experience has shown that to this too the prefix "Amherst" will be applied. We must conclude then that we have simply made a mistake in our choice of a cognomen. To rectify it, let us emphasize instead the word "Massachusetts," which is just as much a part of our title as the other. This, and no more, is what has been done. The "M" rather than the "A" has been awarded in athletics, and the yell and songs have been correspondingly changed. And finally, recognizing that it is folly for us to criticize others for calling us what we have hitherto been calling ourselves, we have formally substituted "Massachusetts" for "Aggie" in the public press. We have taken these successive steps with the best interests of the college at heart. If there is anything which we have done which can in any way injure its reputation, we should be pleased to hear of it.

STATE BOARD OF AGRICULTURE.

We are requested to insert the following notice: The Public Winter meeting of the State Board of Agriculture will be held at City Hall, Northampton, December 3, 4 and 5.

Programme.

TUESDAY, DECEMBER 3.

10-30 A. M.—Meeting opened with prayer. Address of Welcome, by his Honor Mayor Arthur Watson. Response for the Board of Agriculture, by his Honor Lieutenant-Governor John L. Bates.

11 A. M.—Lecture: "Modern Potato Culture," by Dr. Chas. D. Woods, Director Maine Agricultural Experiment Station.

2 P. M.—Lecture: "The Shade Tree Insect Problem," by A. H. Kirkland, M. S.

7 P. M.—Lecture: "Dairying in Europe," illustrated by stereopticon, by Major Henry E. Alvord, Chief of Dairy Division, United States Department of Agriculture, Washington.

8-30-10-00.—Reception to the Board of Agriculture and others attending the meeting.

WEDNESDAY, DECEMBER 4.

10-30 A. M.—Lecture: "The Latest Results of Experiments in the Culture, Cure and Fermentation of Tobacco," by Dr. E. H. Jenkins, Director Connecticut Agricultural Experiment Station.

2 P. M.—Lecture: "Dairy Economics," by Ex-Gov. W. D. Hoard, Fort Atkinson, Wis.

7-45 P. M.—Lecture: "Nature Study and the Need of Agriculture in a System of Public Education," by Dr. C. F. Hodge, Clark University, Worcester.

THURSDAY, DECEMBER 5.

9-30 A. M.—Lecture: "The Relation of Fruit Culture to the Value of New England Farms," by Prof. George T. Powell, Director School of Practical Agriculture and Horticulture, Briarcliff Manor, N. Y.

11-00 A. M.—Lecture: "The Colored Race and Its Relation to the Productive Industries of the Country," by Dr. Booker T. Washington, Principal Tuskegee Normal and Industrial Institute, Tuskegee, Ala.

ROPE PULL.

On Friday, Oct. 25, the annual rope pull between the two lower classes was held. On the morning after chapel there was the usual delivery of class yells and the Juniors appeared with plug hats, bright ribbons and canes. Shortly after drill the crowd began to gather on the campus where it was necessary to wait some time for the rope to materialize. The waiting however was enlivened by the appearance of "General," the college "mascot." Around his collar were tied maroon and black ribbons, the colors of the senior class. Next came a sophomore class sweater and on his nether extremities he wore a pair of varsity stockings. He seemed to enjoy the fun and trotted over the campus barking and wagging his tail. About five o'clock the Freshmen appeared with the rope and again there was continual yelling. Captain Fulton of the sophomores won the toss and chose the north side. A 5-10 the word to "drop" was given and immediately there followed one of the prettiest rope pulls ever held on our campus. The sophomores upon dropping began to pull at once with the quick heave and in about one minute had between six and seven feet of rope to their credit but from this time on the superior weight of the Freshmen began to tell. The Sophomores perceiving that they were losing ground lay on the rope and saved the day.

When time was called the sophomores had two feet eleven inches to the good. It was the old story of sophomore experience and grit. The rope furnished was of an extra fine quality as likewise was the barrel of sweet cider. The following men pulled: Sophomores, Fulton, Henshaw, A'hearn, Lewis, Pierce, and Tinker; freshmen, Gardner, Hunt, Craighead, Porter, Munson, and Patch.

NOTICE TO EXCHANGES.

This paper hitherto published under the name "Aggie Life" will hereafter be known as "The College Signal." Exchange editors, subscribers and all others who have occasion to communicate with us will greatly oblige us by carefully noting this change of name. Our address in the future will be,
**THE COLLEGE SIGNAL,
Mass. Agricultural College,
Amherst, Mass.**

A THOUSAND YEARS AGO.

In the days when this doddering elder was young,
The chalice of joy brimmed high;
We knew the earth of the galley oars
And the lilt of the surf on stranger shores.—
We lived then, you and I.

O, the long, long days between cruise and cruise
In our little hamlet home
'Neath the gray crag crowned by the tiny shrubs,
The yellow sands and the reef's dark line,
And the rocks with their wreaths of foam.

We have lost forever that far-off bay,
And the rattle of hostile steel,
The hiss of blood as the sword struck home,
The white-hot sting of the riven bone,
The shock of the cracking keel.

They have cooped us up in a sordid age,
But our spirits wander free
To the gale-rocked crag and the lapping bay,
And the rocks white-wreathed by the waves at play,
And the open surging sea.

—Swarthmore Phoenix

AS TO BOLTING.

Extract from minutes of a Faculty Meeting held Nov. 1, 1901:

It was voted that ten minutes be allowed for the students to pass between recitation or lecture room

in the Botanic museum or Insectary and those on the west, and between the Chemical laboratory and the veterinary building; and five minutes be allowed students for passage between other recitations or lecture rooms. If a student shall not be present in his proper place before the expiration of this time limit, he shall be marked tardy.

It was voted that it is the sense of this meeting of the faculty that the unwritten rule shall be that if the instructor is not in his place before the expiration of these time limits, the class shall be entitled to a bolt. It was voted that the above agreement shall apply to all regularly scheduled examinations as well as to recitations and lectures and laboratory exercises.

C. S. WALKER, Sec.

RESOLUTIONS.

Whereas: It has pleased the All-wise Father to remove from our midst our beloved classmate and friend Clarence Linden Stevens; and

Whereas: We recognize in him a loyal classmate and true friend; therefore be it

Resolved: That we the members of the class of '95 M. A. C. do mourn his loss and do extend our heartfelt sympathy to his stricken wife and his relatives in their bereavement; and be it further

Resolved: That these resolutions be published in the college paper, and sent to the family of the deceased and that they also be placed upon the records of the class

HENRY A. BULLOU, } Committee
Geo. A. BILLINGS, } for
WRIGHT A. ROOT. } The Class.

Athletic Notes.

WILLIAMS, 17; MASSACHUSETTS, 0.

Under ideal weather conditions and before a large and enthusiastic crowd Williams defeated Massachusetts by a score of 17-0, on Wednesday, Oct. 16.

Massachusetts was more or less crippled after its hard game with Wesleyan the Saturday before, nevertheless it made a creditable showing against the strong Berkshire team. Fumbling was a prominent feature on part of Massachusetts and wcs at times very costly.

O'Hearn acting captain for the Massachusetts team won the toss. At 3-00 P. M., Hatch, of Williams, kicked off to Bodfish who gained about five yards before being downed.

With ball on 15-yard line Bodfish circled left end for twenty-five yards. O'Hearn then took ball outside left tackle and had a clear field but was caught from behind by Watson after running thirty yards and a touchdown was saved. On the next play the Massachusetts fumbled which proved fatal for Watson secured the ball and carried it over the line for a touchdown after running eighty yards. Moore kicked goal.

Halligan kicked off to Welbin who brought it back ten yards. Here Williams fumbled and Snell fell on the ball, Massachusetts was then held for downs. Williams was then forced to punt. Whitaker fumbled the ball and it was Williams' ball on the 25-yard line. By line plunges through tackle the ball was placed on the one-yard line, where on third down Peabody carried it over for touchdown. Moore kicked goal. After the kick off there was an exchange of punts between O'Hearn and Watson. The first half ended with ball on Williams' 40-yard line. Score, 12-0.

On second half after Halligan kicked off, Williams lost ball on fumble. Massachusetts then played fine football and worked the ball steadily down the field to 10-yard line. The chances for a touchdown were good but a fumble came and Moore fell on the ball. Peabody immediately punted over Brook's head and the ball rolled eight yards. After O'Hearn had punted and Williams had lost the ball on downs, Welbin secured the ball on a fumble and by steady gains Williams carried the ball to one-yard line. Here Campion carried it over for the last touch down. Moore failed to kick goal, the ball being blocked by O'Hearn. There were but a few minutes left to play. The line-up:

WILLIAMS.

O'Neill, Vose, l. e.
Jones, Spencer, l. t.
Cole, l. g.
Mossman, Leighton, c.
Lawrence, r. g.
Hatch, r. t.
Welbin, r. e.
Moore, q. b.
Jackaret, l. h. b.
Watson, Graves, r. h. b.
Peabody, f. b.

MASSACHUSETTS.

r. e., Proulx, McCobb
r. t., Snell
r. g., Franklin
c., Patch
l. g., Craighead
l. t., Halligan
l. e., O'Hearn
q. b., Brooks
r. h. b., Bodfish
l. h. b., Whitaker
f. b., Munson

Score—Williams, 17; Massachusetts, 0. Touchdown—Watson, Peabody. Champion goals from touchdowns—Moore 2. Referee—Rice of Pittsfield. Umpire—DeCamp of Williams. Linesmen—O'Hearn of Massachusetts, Vose and Merrell of Williams. Time—20 and 15 minutes halves.

WEDNESDAY, DECEMBER 4.

10-30 A. M.—Lecture: "The Latest Results of Experiments in the Culture, Cure and Fermentation of Tobacco," by Dr. E. H. Jenkins, Director Connecticut Agricultural Experiment Station.

2 P. M.—Lecture: "Dairy Economics," by Ex-Gov. W. D. Hoard, Fort Atkinson, Wis.

7-45 P. M.—Lecture: "Nature Study and the Need of Agriculture in a System of Public Education," by Dr. C. F. Hodge, Clark University, Worcester.

THURSDAY, DECEMBER 5.

9-30 A. M.—Lecture: "The Relation of Fruit Culture to the Value of New England Farms," by Prof. George T. Powell, Director School of Practical Agriculture and Horticulture, Briarcliff Manor, N. Y.

11-00 A. M.—Lecture: "The Colored Race and its Relation to the Productive Industries of the Country," by Dr. Booker T. Washington, Principal Tuskegee Normal and Industrial Institute, Tuskegee, Ala.

ROPE PULL.

On Friday, Oct. 25, the annual rope pull between the two lower classes was held. On the morning after chapel there was the usual delivery of class yells and the Juniors appeared with plug hats, bright ribbons and canes. Shortly after drill the crowd began to gather on the campus where it was necessary to wait some time for the rope to materialize. The waiting however was enlivened by the appearance of "General," the college "mascot." Around his collar were tied maroon and black ribbons, the colors of the senior class. Next came a sophomore class sweater and on his nether extremities he wore a pair of varsity stockings. He seemed to enjoy the fun and trotted over the campus barking and wagging his tail. About five o'clock the Freshmen appeared with the rope and again there was continual yelling. Captain Fulton of the sophomores won the toss and chose the north side. A 5-10 the word to "drop" was given and immediately there followed one of the prettiest rope pulls ever held on our campus. The sophomores upon dropping began to pull at once with the quick heave and in about one minute had between six and seven feet of rope to their credit but from this time on the superior weight of the Freshmen began to tell. The Sophomores perceiving that they were losing ground lay on the rope and saved the day.

When time was called the sophomores had two feet eleven inches to the good. It was the old story of sophomore experience and grit. The rope furnished was of an extra fine quality as likewise was the barrel of sweet cider. The following men pulled: Sophomores, Fulton, Henshaw, A'hearn, Lewis, Pierce, and Tinker; freshmen, Gardner, Hunt, Craighead, Porter, Munson, and Patch.

NOTICE TO EXCHANGES.

This paper hitherto published under the name "Aggie Life" will hereafter be known as "The College Signal." Exchange editors, subscribers and all others who have occasion to communicate with us will greatly oblige us by carefully noting this change of name. Our address in the future will be,

THE COLLEGE SIGNAL,
Mass. Agricultural College—
Amherst, Mass.

A THOUSAND YEARS AGO.

In the days when this doddering earth was young,
The chalice of joy brimmed high;

We knew the earth of the galley oars
And the lilt of the surf on stranger shores,—
We lived then, you and I.

O, the long, long days between cruise and cruise
In our little hamlet home
'Neath the gray crag crowned by the tiny shrines,
The yellow sands and the reef's dark line,
And the rocks with their wreaths of foam.

We have lost forever that far-off day,
And the rattle of hostile steel.
The hiss of blood as the sword struck home.
The white-hot sting of the riven bone,
The shock of the cracking keel.

They have cooped us up in a sordid age,
But our spirits wander free
To the gale-rocked crag and the lapping bay,
And the rocks white-wreathed by the waves at play,
And the open surging sea.

—Swarthmore Phoenix

AS TO BOLTING.

Extract from minutes of a Faculty Meeting held Nov. 1, 1901:

It was voted that ten minutes be allowed for students to pass between recitation or lecture room

in the Botanic museum or Insectary and those on the west, and between the Chemical laboratory and the veterinary building; and five minutes be allowed students for passage between other recitations or lecture rooms. If a student shall not be present in his proper place before the expiration of this time limit, he shall be marked tardy.

It was voted that it is the sense of this meeting of the faculty that the unwritten rule shall be that if the instructor is not in his place before the expiration of these time limits, the class shall be entitled to a bolt.

It was voted that the above agreement shall apply to all regularly scheduled examinations as well as to recitations and lectures and laboratory exercises.

C. S. WALKER, Sec.

RESOLUTIONS.

Whereas: It has pleased the All-wise Father to remove from our midst our beloved classmate and friend Clarence Linden Stevens; and

Whereas: We recognize in him a loyal classmate and true friend; therefore be it

Resolved: That we the members of the class of '95 M. A. C. do mourn his loss and do extend our heartfelt sympathy to his stricken wife and his relatives in their bereavement; and be it further

Resolved: That these resolutions be published in the college paper, and sent to the family of the deceased and that they also be placed upon the records of the class

HENRY A. BALLOU, } Committee
Geo. A. BILLINGS, } for
WRIGHT A. ROOT. } The Class.

Athletic Notes.

WILLIAMS, 17; MASSACHUSETTS, 0.

Under ideal weather conditions and before a large and enthusiastic crowd Williams defeated Massachusetts by a score of 17-0, on Wednesday, Oct. 16.

Massachusetts was more or less crippled after its hard game with Wesleyan the Saturday before, nevertheless it made a creditable showing against the strong Berkshire team. Fumbling was a prominent feature on part of Massachusetts and was at times very costly.

O'Hearn acting captain for the Massachusetts team won the toss. At 3-00 P. M., Hatch, of Williams, kicked off to Bodfish who gained about five yards before being downed.

With ball on 15-yard line Bodfish circled left end for twenty-five yards. O'Hearn then took ball outside left tackle and had a clear field but was caught from behind by Watson after running thirty yards and a touchdown was saved. On the next play the Massachusetts fumbled which proved fatal for Watson secured the ball and carried it over the line for a touchdown after running eighty yards. Moore kicked goal.

Halligan kicked off to Welbin who brought it back ten yards. Here Williams fumbled and Snell fell on the ball, Massachusetts was then held for downs. Williams was then forced to punt. Whitaker fumbled the ball and it was Williams' ball on the 25-yard line. By line plunges through tackle the ball was placed on the one-yard line, where on third down Peabody carried it over for touchdown. Moore kicked goal. After the kick off there was an exchange of punts between O'Hearn and Watson. The first half ended with ball on Williams' 40-yard line. Score, 12-0.

On second half after Halligan kicked off, Williams lost ball on fumble. Massachusetts then played fine football and worked the ball steadily down the field to 10-yard line. The chances for a touchdown were good but a fumble came and Moore fell on the ball. Peabody immediately punted over Brook's head and the ball rolled eight yards. After O'Hearn had punted and Williams had lost the ball on downs, Welbin secured the ball on a fumble and by steady gains Williams carried the ball to one-yard line. Here Campion carried it over for the last touch down. Moore failed to kick goal, the ball being blocked by O'Hearn. There were but a few minutes left to play. The line-up:

WILLIAMS.

O'Neill, Vose, I. e.
Jones, Spencer, I. t.
Cole, I. g.
Mossman, Leighton, c.
Lawrence, r. g.
Hatch, r. t.
Welbin, r. e.
Moore, q. b.
Jackaret, I. h. b.
Watson, Graves, r. h. b.
Peabody, f. b.

MASSACHUSETTS.

r. e., Proulx, McCobb
r. t., Snell
r. g., Franklin
c., Patch
I. g., Craighead
I. t., Halligan
I. e., O'Hearn
q. b., Brooks
r. h. b., Bodfish
I. h. b., Whitaker
f. b., Munson

Score—Williams, 17; Massachusetts, 0. Touchdown—Watson, Peabody. Champion goals from touchdowns—Moore 2. Referee—Rice of Pittsfield. Umpire—DeCamp of Williams. Linesmen—O'Hearn of Massachusetts, Vose and Merrell of Williams. Time—20 and 15 minutes halves.

MASSACHUSETTS, 18; WORCESTER TECH., 12.
On Saturday, Oct. 19, Mass. State College defeated Worcester Tech in a somewhat loosely played game by a score of 18-12.

The offensive work of both teams was very good but neither team was strong on defense. After our game with Williams the Wednesday before our team was in a much crippled condition and this necessitated the playing of a substitute team which accounted more or less for the poor work.

On the first half Worcester kicked off to O'Hearn who ran it back ten yards. By end runs and line bucking the ball was placed on the 5-yard line where Munson carried it over for a touchdown. O'Hearn kicked goal. Walsh kicked off to Snell who returned it five yards. The ball was worked to center of field where it was lost on a fumble. Worcester turned tables on Massachusetts and carried the ball down the field for a touchdown. Chickering carried it over and Walsh kicked goal.

Halligan kicked off. Worcester got the ball on 15-yard line and was held for downs. From here the ball was carried to one-yard line where Munson carried it over. O'Hearn kicked goal. The first half ended soon after Worcester kicked off.

The second half was but a mere repetition of the first half, Massachusetts making another touchdown and Worcester Tech likewise. The line-up:

MASSACHUSETTS.	WORCESTER TECH.
O'Hearn, l. e.	r. e., Clancy
Halligan, l. t.	r. t., Emerson
Craighead, l. g.	r. g., Wheaton
Lewis, c.	c., Thayer
Franklin, r. g.	l. g., Rankin
Snell, r. t.	l. t., Clark
Proulx, r. e.	l. e., Chickering
Brooks, q. b.	q. b., Burke
Whitaker, l. h. b.	r. h. b., Steimer, Young
Bane, r. h. b.	l. h. b., Walsh
Munson, f. b.	f. b., Rylands

Score—Massachusetts, 18; Worcester Tech, 12. Touchdowns—Munson 2, Snell, Rylands, Chickering. Goals—O'Hearn 3, Walsh 2. Referee—V. A. Gates. Umpire—F. R. Wheeler. Time—15 and 12 minute halves.

MASSACHUSETTS, 10; SPRINGFIELD TRAINING SCHOOL, 0.

Massachusetts played and won its first home game of the season, Saturday, Nov. 2, defeating Springfield Training School 10 to 0 on the College Campus. The offensive work of the

home team was somewhat off color but on the defence the team showed improvement over the Worcester Tech game. Twice, however, in the first half, owing to slowness of our backs, a Springfield man got away with the ball the first time being caught by Craighead from behind. The second time our goal was seriously threatened Capt. Cornell going around our right end for twenty yards and getting by everybody but Brooks. The first half ended with no score but in the second half the team showed more life doing much better work.

Capt. O'Hearn won the toss and Springfield kicked off. Lewis carried the ball forward 10 yards and then by line plays directed mostly at the right side Massachusetts carried the ball well into Springfield's territory where it was lost on a fumble. The ball remained in Springfield's territory during most of the half and twice O'Hearn tried for goals from the field one from placement and the other a drop kick but both were unsuccessful. The half closed with the ball in Massachusetts' possession on Springfield's 30 yard line.

In the second half Snell kicked off for Massachusetts but recovered the ball as it bounded back from Springfield's center. Showing a good deal more life than in the first half, Massachusetts then carried the ball steadily down the field for a touchdown, Snell going over the line on the extreme left of the field. The punt out was no try for goal.

Bugbee kicked off to O'Hearn who advanced 25 yards. Massachusetts kept plugging at the right side of Springfield's line for steady gains but when 10 yards from the goal Halligan went through the left side for a touchdown. O'Hearn missed a difficult goal.

Again receiving the kick off Massachusetts quickly carried the ball along until with thirty seconds left to play O'Hearn again tried a drop kick but missed. Time was called before there was chance for another line up.

For Massachusetts Bodfish, Munson and O'Hearn put up the best game while Cornell, Woolworth and Berry excelled for Springfield. The line up:

MASSACHUSETTS.	SPRINGFIELD TRAINING SCHOOL.
O'Hearn, (Capt.), l. e.	l. e., Berry
Franklin, Halligan, l. t.	l. t., Thompson
Craighead, l. g.	l. g., Clark, Ashle
Patch, c.	c., McLane

Gardner, Franklin, r. g.	r. g., Bugbee
Snell, r. t.	r. t., Hamblen
Bodfish, McCobb, r. e.	r. e., Woolworth
Brooks, q. b.	q. b., Gray
Whitaker, l. h. b.	l. h. b., Abbott
Lewis, Proulx, r. h. b.	r. h. b., Elliott
Munson, Bodfish, f. b.	f. b., Cornell (Capt.)

Score—Massachusetts, 10; Springfield Training School, 0. Touchdowns—Snell, Halligan. Linesmen—Belden of Massachusetts and Sullivan of Springfield. Referee—Prof. Smith of Massachusetts. Umpire—Dr. McCurdy of Springfield. Time—20 minute halves.

College Notes.

- Porter, '05, has left college.
- Kirby, '04, has returned to college.
- Prof. C. H. Fernald has had an attack of the grip.
- The football team is putting in excellent practice these days.
- J. V. Monahan, '05, has been called home. He may not return.
- The band and artillery detachment have had their pictures taken.
- E. F. McCobb who has been sick for the past two weeks is around again.
- The Glee Club has at last been reorganized: Mr. D. Nelson West is leader.
- A. Russell Paul, '05, spent a few days last week at his home in Frammingham.
- Three new shower baths have been placed in the training room of the "Gym."
- On Sunday, Oct. 20, the services were conducted in the chapel by Rev. John Day.
- Secretary Olney has been the guest of Captain Anderson for the past few weeks.
- W. E. Tottingham has been appointed cadet corporal. He will remain with the band.
- The Examining Committee of the Board of Overseers visited the college last week.
- President H. H. Goodell delivered a lecture in Boston, Monday evening, Oct. 21, 1901.
- C. P. Halligan, '03, is suffering with a badly swollen forearm. Blood poisoning is feared.
- The college senate held a meeting at the home of Pres. H. H. Goodell last Monday evening.

—The COLLEGE SIGNAL board was recently photographed by Lovell.

—Both the Freshmen and Sophomore football teams are practicing for the inter-class game.

—The design used on the cover of the COLLEGE SIGNAL was presented to the paper by C. A. Tinker, '04.

—Pres. and Mrs. C. W. Pairey of Knoxville, Tenn. spent the day of Oct. 26 as guests of Pres. H. H. Goodell.

—"Soils and How to Treat Them" is the title of a book, by Prof. W. P. Brooks, which has just appeared.

—The rules of the college have been re-codified and printed in a neat pamphlet which is now ready for distribution.

—Dr. A. C. True of Washington, director of experiment stations, recently paid a visit to the Hatch Experiment Station.

—It is said that the Freshmen have adopted a class motto. It is "United we hide, divided we swim." Quite appropriate.

—Captain H. A. Paul is suffering with a very badly sprained ankle, which may keep him out of the game for the rest of the season.

—The class of 1903 has chosen the following "Prom," committee; E. B. Snell, C. S. Tinkham, N. F. Monahan, E. G. Proulx.

—At a meeting of the Sophomore class R. A. Quigley was elected class captain and C. W. Lewis was elected football captain.

—President Goodell and Dr. C. S. Walker represented the college at the Yale Bi-centennial. Dr. Walker is an alumnus of that institution.

—Mr. Wallace has been making a few surveys preparatory to drawing the specifications for the plan of the new central heating station which may soon be built.

—F. E. Jennings has been secured to coach the team the remainder of the season. Mr. Jennings played half-back on the Dartmouth team which he captained in 1900.

—The Freshman class had their pictures taken in front of the chapel on Thursday, Oct. 24. The affair was well planned so the Sophomores had no chance to interfere with them.

—The Sophomores are getting quite a name for themselves of late as composers of class songs. Let us hope they will extend their scope a bit further and evolve a good college song as well.

—We have heard many complaints because it was said our alumni would not support the athletic association. Recently an appeal was sent out to the alumni, which has been responded to most freely.

—Friends of the college will doubtless be glad to learn that the Faculty have appointed a committee to entirely revise the annual report and that a genuine catalogue will be ready for distribution about Dec. 1.

—It will be remembered that the Sophomores succeeded in "pinching" the Freshmen's practice rope. Two days later the Freshmen turned the tables and up to the time of the pull practiced with the Sophomores rope which they had "borrowed."

—A new feature of college discipline is being tried this year. Each member of the Faculty is assigned two or three Freshmen by lot and will henceforth act as their counsel in matters in which they are interested. A similar plan to this is employed in many other colleges with gratifying success.

—On Oct. 17, Governor W. Murray Crane visited the college. The Governor was accompanied by D. F. Slade, A. A. Maxwell, H. D. Yerxa, J. J. McNamara, S. H. Howe, Luclius Field and J. H. Tippleton, all members of the council, and J. B. Smith, secretary to the governor and E. F. Hamilton, executive secretary. A salute of seventeen guns was fired by the college battery, after which His Excellency was shown about the college.

—The Seniors and Sophomores treated the college to an interesting exhibition of football in a practice game last Saturday afternoon. The game was closely contested from the start, both teams excelling in fumbling, high tackling and misplays in general. Neither side crossed the goal line in the first half, though the ball was in the Sophomore's territory most of the time. In the second half Quigley fumbled Gates' punt and Dellea picked up the ball and ran forty yards for a touchdown, but the Sophomores claimed interference with the catch and the score was not allowed. The half closed with the ball in the Sophomores possession on the Senior's one-yard line. For the Seniors, Dellea did some clever tackling and Morse made sev-

eral long runs around the ends. Quigley, Fulton and Pierce excelled for the Sophomores. The line-up:

1902.
Hall, l. e.
Dwyer, l. t.
Church, l. g.
Cook, Cooley, c.
Dacy, Cook, r. g.
Saunders, r. t.
Clafin, r. e.
Dellea, q. b.
Belden, r. h. b.
Morse, l. h. b.
Gates, f. b.
Score—'02, 0; '04, 0. Referee, A. R. Dorman, Columbia.
Umpire, Willis. '05. Linesmen, McCobb, Barnes. Time-keeper, Newhall. 15-minute halves.

Alumni.

'86.—Chas. W. Felt, who has been for sometime located at Galveston, Texas, visited friends in town lately.

Ex-'87.—Joseph F. Daniels is at present librarian at the State Agricultural college, Fort Collins, Colo.

'90.—Frederick L. Taylor, M. D., 336 Washington St., Brookline.

'92.—Homer C. West, Superintendent of the Wal-
tham M'fg Co., contracted typhoid fever while returning from a vacation trip in Colorado and is now slowly recovering from the attack at the home of his parents Mr. and Mrs. H. C. West at Belchertown.

'94.—Chas. H. Higgins of Montreal was married to Miss Jane Ruth Hall, daughter of Mr. and Mrs. Frederick Hall of L. Averin, Que, Oct. 22, 1901. The ceremony was performed by Dr. James Hepburn at St. Pauls church L. Averin.

'94.—Prof. S. F. Howard has been elected a Fellow of the American Association of Science.

'94.—Ellas Dewey White and Miss Bessie Irene Doyle were united in marriage, at East Point, Ga., June 4, 1901. Mr. White holds an important position in the railway mail service of the Georgia & Southern R. R. Address, East Point, Ga.

'94.—H. P. Smead, Hanover.

'94.—Dr. Chas. H. Higgins, Assistant Pathologist to the Dominion Government, has just returned to Montreal after a sojourn of a month at Swift Current,

r. e., Peck
r. t., Gilbert
r. g., Tinker
c., Staples
l. g., Smith, Henshaw
l. t., Couden
l. e., Griffin
q. b., Quigley
l. h. b., Gregg
r. h. b., Fulton
f. b., Pierce

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'95.—Fred C. Tobey, a teacher at Sing Sing, who was engaged during the summer vacation in capturing "ladybugs" and sending them to South Africa has resigned his position as teacher and bought an interest in the West Stockbridge Lime Co. and will act as general manager of the concern.

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'97.—M. J. Sullivan was in town recently.

'99.—D. A. Beaman is proprietor of the box factory at Leverett.

'00.—Ysidro H. Canto, while trying to board a trolley car in New York city, Oct. 11, was thrown to the pavements and received some injuries including the fracture of a rib. He was carried to a nearby drug-store and after regaining consciousness was taken to a hospital where he is now recovering his injuries.

'01.—N. J. Hunting was a recent visitor at the college. As elsewhere announced, he has been appointed inspector of the Babcock apparatus in use in the creameries of the state and will begin his duties very shortly.

'01.—C. E. Gordon spent Sunday in town.

Ex-'01.—A. R. Dorman who has been attending Columbia for the last year was in town for the Massachusetts-Springfield Training School game. He expects to remain in Springfield for the winter and go west as an assayer of mines in the spring.

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Dacy, Cook, r. g.	l. g., Smith, Henshaw
Saunders, r. t.	l. t., Couden
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Department Notes.

HORTICULTURAL DEPARTMENT.

Professor Maynard has made the suggestion that the biography of some of the most important of our alumni with their pictures be put each year in the *Index*. This would not only increase the interest of our alumni but would show the undergraduates of the college what some of our graduates have done.

The examining committee of the Board of Agriculture inspected the Horticultural department last week and were much pleased with its progress. The committee consisted of John Bursley of West Barnstable, W. C. Jewett of Worcester, Alvin Barrus of Goshen, C. K. Brewster of Worthington.

Professor Maynard hopes that something can be done to stop the shooting of gray squirrels in the grove on the hill. On recent Saturdays considerable firing has been heard in that vicinity and it has been noticed that the squirrels, although very tame during the first part of the fall, have become very timid.

CHEMICAL DEPARTMENT OF HATCH EXPERIMENT STATION.

A bulletin of about thirty pages will soon be issued which will contain the chemical analysis of officially collected samples of commercial fertilizers, as well as a great variety of general fertilizing material forwarded by farmers in the state of Massachusetts.

Dr. C. A. Goessmann is absent from town for a week.

LIBRARY DEPARTMENT.

Diseases of Cattle by William Hird. This book was given to the library by Dr. Page. It was printed in London in 1753.

Emerson's Works (12 vols).

Who's Who in America by John W. Leonard. The book consists of a collection of the biographies of the most important men in America, and written by themselves.

Genuineness of the Gospels by Andrew Norton.

Geometric Exercises in Paper Folding edited and revised by W. W. Beaman and D. E. Smith. The book illustrates and proves many of the important problems in geometry by folding paper to represent the figures. It simplifies many of the most difficult problems.

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NO. 4

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Entered Nov. 9, 1901, as second-class matter, Post Office at Amherst, Mass., Act of Congress of March 3, 1879.

ACCEPTED FOR MAILING, OCTOBER 11, 1901.

Editorials.

We are pleased to notice the revival of the Natural History society, and hope that it may receive proper support from the student body during the coming season. In the past, it has proved itself an organization of a distinctly public nature. Its series of scientific lectures has been an admirable supplement to the regular work of the college, and from them much profit and instruction has been received. We understand that the usual excellent program is well under way, and trust that the attendance at the public meetings may be all that is desired.

In spite of the excellent record made against Amherst, we believe that the need exists of sounding a word of warning. The season is not yet over. Manager Gates has succeeded in arranging a game with Tufts college for next Friday afternoon to be played on Tufts oval. It is an important game in that it is the first we have ever played in the eastern part of the state. The showing that we make will in great

measure determine our standing in a section from which the largest number of our students are drawn. We must, therefore, do our very best. Our previous victories have been won not so much by superior coaching as by the spirit which has characterized both the team and the college. Yet we must sadly ask ourselves what has become of this spirit of late? The lapse into complete apathy since the Amherst game is truly lamentable, and if not soon corrected will surely bring bitter fruits. That our coach has ~~not~~ is no excuse whatever, but an additional reason for more and harder work. We have made a splendid record this season; let us not sully it at this late day by continuing the present shameful indifference.

We publish in another column portions of the constitution of the COLLEGE SIGNAL which relate to the election of new members for this board, and we would say to those intending to try for the Board that work might well begin at once. In previous years, the tendency has been to leave everything till the last few

weeks and then to rush in a vast amount of material of very doubtful literary value. In nothing does the timeworn adage that "the early bird catches the worm" apply with much more force than in journalism, and the early contributor of necessity enjoys a considerable advantage. Of the value of the training received by work of the sort the SIGNAL offers it ought not to be necessary to speak. We have often felt, however, that the tendency has been in scientific institutions much as this, to underestimate the advantages of literary work. Yet to be able to write, forcibly and plainly, is a gift of no small value; and there is no way by which it may be acquired save by constant practice. This practice the continual work of a college paper can give; and aided as it is by the exposing of all work to the impartial if somewhat over critical gaze of a body of students, the benefits to be gained will, it is believed, well repay the expenditure of time required.

We are sorry to learn that any unpleasantness was generated by the sophomore-freshman football game, especially as we believe the criticisms of the college senate so freely expressed in certain quarters are somewhat unwarranted. It must be remembered that the senate is merely an advisory body; it may recommend whatever may seem best, but its power stops there. In the case in question it had made certain recommendations as to the eligibility of 'varsity men, and had both classes agreed to abide by its decision it would doubtless have tried to enforce it. But when the two classes involved agreed upon another method, the matter went beyond the control of the senate. If the freshman captain allowed himself to be taken advantage of, it was doubtless unfortunate from a freshman point of view; but as he presumably knew his rights we cannot see that he is entitled to much sympathy if he consented to waive a portion of them, even if he later on found the results more serious than he expected. If the Freshmen, or their sponsors, had cared sufficiently for their rights to insist on the complete adoption of the Senate's recommendation, then the Senate would of necessity have been obliged to stand by them; but after having of their own accord agreed to disregard the Senate's decision, it seems a bit far-fetched for them to shift the responsibility to any shoulders save their own.

With the football season nearly over, the thoughts of the college will naturally turn to basket-ball for a diversion during the winter months. In the last few years, considerable interest has been taken here at Massachusetts, in a more or less systematic sort of way. Class teams have been organized, a schedule arranged and much interest has resulted. Of late however no steps have been taken toward establishing a 'varsity team. This we believe to be a mistake. Basket-ball is a sport which has risen from small beginnings to a game of considerable collegiate importance. This fall has witnessed the formation of numerous intercollegiate leagues, one of which, the New England is composed mainly of colleges with whom we are accustomed to compete in other sports. Our class games have served to develop many good players and we believe that we have plenty of material in college for a creditable team. Certainly it will be much easier for us to gain admission while college basket-ball is still new to all than it will be when the league has become established, and has grown conservative as to admitting new and untried teams. So too, it will be easier for us to start a successful 'varsity now than to wait till our rivals have the advantage of veteran players and long experience. If Massachusetts has an athletic weakness, it is a willingness to follow rather than to lead. We can see no possible objections at present which will not apply with greater force in the future. Why, then, do we wait? We hope the matter will be seriously considered by our athletes at once.

While the result of our game with Amherst somewhat upset the rather pessimistic predictions of our last issue, it will be readily admitted that the editor was the most cheerful of losers. It is admitted on both sides that the game was well played, well contested, and that the better team won. Under these circumstances it is a victory well worth the winning and one of which we may justly be proud. To the hard and persistent work of Coach Jennings, perhaps the lion's share of the praise is due. Mr. Jennings came here to find a discouraging state of affairs. The team was demoralized by lack of practice and coaching, and there seemed to be little hope that it would ever recover from the effects of its well-nigh fatal victory

over Wesleyan and Holy Cross. Yet in less than two weeks, Mr. Jennings wrought a complete change. From the day of his coming, the *spirit* of the team changed. On the day of the game, it showed its ability to play as scientific a game as was ever seen on Pratt Field, and moreover played with a dash and dogged determination which swept our opponents completely off their feet. The work of Mr. Jennings is something which deserves to be remembered, and the gratitude of every friend of old Massachusetts should be his. In addition, we must not forget that to the alumni great credit is due. But for their most generous response to our appeal for financial aid, no coach could have been secured, and the result might have been less gratifying. We were also glad to note their interest as manifested by the unusually large number who saw the game. Such cordial co-operation is what is needed to bring about the truest union.

COMMUNICATIONS.

November 13th, 1901.

TO THE EDITORS OF THE COLLEGE SIGNAL:—The fifteenth annual reunion and banquet of the Massachusetts Agricultural College club of New York was celebrated December 7th, 1900 at the St. Denis hotel; the writer presided. A goodly number were in attendance, but unfortunately President Goodell was detained in Washington and his representative either got lost on the way or failed to start in time. Prof. A. Courtenay Washburne now of the actuarial department of the Metropolitan Insurance Company was the only representative of previous faculties.

Mr. Bainbridge Colby, Williams, '90, (now member-elect of the New York legislature) made a most pleasing address felicitating the College on its splendid work.

Professor William N. Bishop, M. A. C., '82, now filling the chair of Biology and Agriculture at Delaware college, in an exceedingly instructive address on the conditions of the so-called Agricultural colleges of the country, made a most forcible argument that the name of the College was misleading and a deterrent to its proper growth. Other addresses were made by Webb, '73, Barrett, '75, Root, '76, and Myrick '82.

The notice of the sixteenth annual dinner is printed in another column.

Your body is to be congratulated on the new name

and design for our College paper—also for the tone of the editorials relating to the changes that are on. Some of us have been earnestly opposed to the nickname "Aggie" yet we had not wit enough to see that Massachusetts was greater than its Agricultural interests.

Why not Massachusetts College? Could there be a better name for an institution of the old Bay State? Do not call it Mass. State College as such would be tautology.

A few words as to a new name—Some years ago I got together a symposium for one of the Indexes and it showed an even division. I then as now believe that the desire of those who wish a change is, that the College should be prospered and if we have to go through life giving a long explanation of what Massachusetts Agricultural College means,—that it is not a reformatory for unruly youths or an ordinary farm school, but an institution that fits its students for life work as thoroughly as any in the country, and such a name and such explanations do the College good and the State good, why all right. But we have seen the State pour out its money munificently, and because of the deterrent of its name, many have not gone there. The name kills it at first sight with many, but Massachusetts College—Where is it? What does it do? What is its tuition? How much can a student be educated there for? And, on further investigation, the prospective student of medicine (one of a large class) finds that he can get a cheaper, healthier and more scientific preparation for the study of his chosen profession in a medical school, than in any other institution. This I speak advisedly. My father, a graduate in Arts of Yale and in medicine of Harvard and University of Pennsylvania and my grandfather in Arts and Medicine of Harvard, my predilections were for Harvard; but my father learned of the farmer's college and sent me there, and this applies to other colleges. Now it is said, change the name, and the farmer will stop voting grants to the institution. In other words, to call the institution Agricultural, it must be held down to a limited number of students and agriculture itself injured by men not attending it and not becoming by its nature studies and courses more intimately bound to the science of the soil.

The present class is a much larger one than usual.

We have seen these spurts before. My class entered 82 men; ten went ahead into '81 and were graduated with it. Thirty-one received degrees in 1882, and the only class that has surpassed it has been that of 1894. But the subsidence always comes resulting in small classes.

A College is not what some special technical name signifies—except in the professions—but it is what is taught there that makes its reputation and standing. Men know of the M. A. C.'s good works but their children do not want to go to an institution with a special name, they want to go to college but not a farm college, and the father hesitates and the majority have not the sense that my paternal progenitor had. Sentiment, nothing? It is everything. It is purely sentiment, outside of some specialists in agricultural agitation whose business it is that makes the farmer wish the name to remain as it is.

My beloved teacher Levi Stockbridge made a most eloquent argument before the great reunion of 1897 for the old name. He showed most clearly that before the war, literary institutions were in ruts; the land-grant Act of 1862 resulted in colleges that were a protest against the existing order of things. Following the war came an era of business and prosperity that all educational institutions have been benefitted by and as Professor Brewer of Yale, said at our reunion in New York two years ago, the world has turned to nature studies; the migrations to mountain and sea were annually greater.

So long as men eat and drink agriculture will not suffer. The recent advertisement of the *Orange Judd* publications (Herbert Myrick, '82, president) shows that the farmer is doing very, very well, thank you. Some city men would like to be as well fixed.

The College has done its work for agricultural education and has done it well under its special name. The experiment stations are well established in every state of the Union. Now let our Alma Mater reach out to far greater usefulness under the name of Massachusetts college, a child of the old Bay State.

ALL HAIL THE VICTORIOUS MASSACHUSETTS FOOTBALL TEAM!!!!

One hundred and fifty students—little coaching, and losing only one game in its season, decisively whipping its opponents of much larger institution—there must be much latent force in our small College.

Give it three hundred students, and conclusions will be tried with Harvard and Yale as pluckily as Pennsylvania State has played against Yale and Princeton.

Yours for our Alma Mater.

JOHN A. CUTTER, M. D., '82.

New York, 120 Broadway.

TO THE MEMBERS, PAST AND PRESENT, OF THE FACULTY.

The President of the Massachusetts Agricultural College club of New York requests the pleasure of your company at its Sixteenth annual banquet, to be held Friday evening, Dec. 6, 1901, half-past six o'clock, at the Hotel St. Denis, Broadway and Eleventh street.

FREDERICK W. MORRIS, 72,
114 Fifth Ave., N. Y.

L. C. CLAFLIN, BUSINESS MANAGER, SIGNAL:

Dear Sir:—The first issue of the college paper under the new name, THE COLLEGE SIGNAL, has just arrived, and I have been enjoying it as I always do the college paper. With all due respect and regard for the time honored Aggie Life, I must confess that I am persuaded that the college has taken a step in the right direction. It is but another illustration of that familiar old saying, "Good things come slow." We, who are alumni, and who associate a great deal with the name "Aggie" are, it is true, called upon to sacrifice considerable in this change of the name of the college paper, but I am sure that I for one, am willing to part with the sentiment I hold dear, for what seems to me dearer—the general college welfare.

I congratulate the college, and you as one of the SIGNAL editors, upon the vast improvement in attractiveness of the representative paper of my Alma Mater.

Very truly,

CLAYTON F. PALMER,

Mansfield, Pa., Nov. 6, 1901.

H. L. KNIGHT:

It was rather a sudden and somewhat of a severe "jar" to me when I took off the wrapper of what I supposed to be the Aggie Life and found the SIGNAL. I have recovered from the shock however and on little ransacking of memories more or less dimly find that the students now have done what they would do as long ago as '96. I haven't a doubt but

the new order of things will be for the ultimate benefit of the college, and I am free to express my pleasure in regard to the matter. The growth of our Alma Mater is what we all desire, and if it can be best brought about by a change in the name of college paper or the college yell—then let the name and yell be changed. The old ones were misleading at best, and for one I am willing; even glad that the present change has taken place. It seems to me that real progress, and such I deem this, needs no defence beyond a statement of the facts.

Yours fraternally,

ELWYN W. CAPEN.

B. U. Medical, '02.

KINGSTON, R. I., Nov. 6, 1901.

BUSINESS MANAGER, AGGIE LIFE, THAT WAS:

Dear Sir:— * * * * * "Massachusetts" to distinguish the college does away with mixing up with old Amherst College in the minds of the public, but I hope our men may never feel ashamed of "Agricultural" but help make M. A. C. such a good agricultural college that its fame will go around the world.

Sincerely,

H. J. WHEELER, '83.

WESTMINSTER, Nov. 12, 1901.

EDITOR COLLEGE SIGNAL:

Accept my congratulations on the improved appearance of our college paper. The new name is all right and a long step in the way of progress. I am pleased also with the contents.

Very respectfully,

F. W. MOSSMAN.

TO THE EDITORS OF "THE COLLEGE SIGNAL":—

I regret that your Board has discarded the unique and peculiarly appropriate title the first board of editors gave to the College paper. I regret your act because I believe it unwise and unnecessary and that the paper will be the loser rather than the gainer by this attempt to eliminate the word "Aggie." This word may mean little or nothing to many of the undergraduates but it does mean much to many of the alumni and friends of the College. It is granted, however, that the word might mean little or nothing were it entirely divorced from memory and association.

In the earlier days of the college those who selected and helped to establish the "Aggie" were unquestionably loyal to their college and anxious to so abbreviate a somewhat long corporate title as to get at some word which should be short, appropriate and taking. That they succeeded even beyond their most sanguine expectations is evidenced by the continued use of and belief in the term "Aggie" as the most satisfactory nickname, if I may so speak of it, possible to secure. The title "Aggie Life" for the College paper has always seemed to me, and I know it has so seemed to others, a happy choice on the part of the first board of editors. We feel that the new name, however good it may be, can never fully take the place of the old one and we hope that your Board will come to see that you have erred in your judgment.

Of course I recognize the right of your Board to choose the name for your own publication, and in this instance your action appears to have the endorsement of a majority of the faculty and student body. As an alumnus and subscriber, however, it would be pleasing to me, and perhaps to others, if in some early issue you would kindly show wherein the new name is "expressive and significant". It seems to me that the title "The College Signal" would be as appropriate a title for the publication of any college in the country male or female, as for the M. A. C. To my mind it is expressive of nothing, except that it eliminates "Aggie", and in this respect only is it significant.

I perceive that your Board is careful to give the impression that no move for a change of name of the College is in contemplation and that your action, and the action of the student body, in eliminating the term "Aggie" should not be taken as an assault upon the word "Agricultural" in the corporate name of the College. I am glad this is so, for otherwise there might develop a controversy which presumably would not materially benefit the institution.

Just one word more. In your reply to Prof. Stockbridge's comment, in your issue of the 6th of November, you say "Let us emphasize instead the word 'Massachusetts', which is just as much a part of our title as the other" (Agricultural). Does not the same statement apply equally well to the word "College", which is also a part of the corporate title? Is there anything in the word "Massachusetts" which is peculiar to the College? Is not that word there simply

the team, taking advantage of his team's own strong points and the opponent's weak ones.

Snell, who did punting for Massachusetts, out-classed Pierce and the tackling of the Massachusetts team was harder and surer.

The ball was in Amherst's territory most of the time and there are no doubts as to the game having been won on its merit.

During the first half Amherst gained their distance only twice.

At 3-15 the teams came on the field and after a little preliminary practice O'Hearn having won the toss choose the west goal.

Crook, of Amherst kicked off to Bodfish who advanced ten yards. Massachusetts, then by steady gains outside of tackle advanced the ball nearly to center of field where Munson fumbled. Amherst tried the line for a loss and was compelled to punt. O'Hearn received the punt and was downed in his tracks. Snell punted to Amherst's 35 yard line. Amherst again tried the line, but failing to gain punted. Massachusetts after making a few gains was held for downs and Snell punted from Massachusetts 40 yard line, the ball rolling over Amherst's goal line where Swift fell on it for a touchback. Amherst then kicked out from behind their 25 yard line to O'Hearn who made a fair catch. O'Hearn missed a try for goal by a narrow margin, resulting in another touchback for Amherst. Whitaker received the punt out on 45 yard line making another fair catch. Snell tried for goal, ball going out of bound on Amherst's 5 yard line.

Amherst was held for downs and compelled to punt. Massachusetts was then held for downs and Snell again punted over the goal line. On punt out Franklin tried for a fair catch but was interfered with and Amherst was penalized 15 yards, giving the ball to Massachusetts on Amherst's 20 yard line.

From here the ball was advanced to Amherst's 7 yard line where they held for downs. Amherst being unable to gain Pierce punts out of bound at Amherst's 30 yard line. After advancing the ball to the 20 yard line O'Hearn scored a beautiful goal from placement.

Crook kicked off to A'hearn who advances 15 yards. After an exchange of punts the first half ended with ball in Amherst's possession on her own 45 yard line. In second half Halligan kicked off to Pierce who

returned the kick, Ahearn falling on it on Massachusetts's 45 yard line. Massachusetts here played excellent ball taking Amherst completely off their feet, and by successive rushes by Bodfish Halligan and O'Hearn the ball was carried to Amherst's 10 yard line, where the ball being knocked from O'Hearn's arms bounded over the goal line and Cook fell on it for a touchback.

Amherst punted out to Ahearn who advanced ten yards. Amherst held for downs and Snell punted Here Amherst made the longest run of the game, Blanchard going around right end for thirty-five yards.

During the remainder of the half the ball see-sawed up and down the field and the game ended with the ball in Amherst's possession on Massachusetts's 40 yard line.

For Massachusetts Halligan, Snell, O'Hearn and Ahearn played the best game, while Washburn, Swift and Blanchard excelled for Amherst.

Line up:

MASSACHUSETTS.

O'Hearn, l. e.
Halligan, l. t.
Craighead, l. g.
Patch, c.
Franklin, r. g.
Snell, r. t.
Bodfish, r. e.
Ahearn, q. b.
Whitaker, l. h. b.
Lewis, r. h. b.
Munson, f. b.

Score—Massachusetts 5, Amherst 0. Goal from field—O'Hearn. Umpire—Dr. S. S. Page. Referee—W. R. Crowell. Linesmen—Halligan, Massachusetts; Daniels, Amherst. Timers—Morse, Massachusetts; Wilson, Amherst. Time—25 and 20 min. halves.

CLASS FOOTBALL.

The senior class defeated the sophomore class in a loose game of football on Nov. 9. Morse and Dellea played the game for the seniors, while Quigley and Pierce did good work for the sophomores. The line-up:

1902.

Claflin, l. e.
Jones, l. t.
Cook, l. g.
Cooley, c.
Church, r. g.
Reardon, r. t.

1904.

l. e., Griffin
l. t., Couder
l. g., Tinker
c., Staples
r. g., Gilbert
r. t., Smith

Hall, r. e.
Dellea, q. b.
Belden, r. h. b.
Morse, l. h. b.
Dwyer, f. b.

Score—'02, 12; '04, 0. Referee, Snell. Umpire, Halligan. Linesmen, Brooks and Saunders. Timekeeper, Newhall. Time—15 minute halves.

The freshmen defeated the juniors in a very exciting game on Nov. 8. The juniors with the exception of Jones and Bowen played a very loose game. Peebles and West made some very brilliant plays—almost. Allen, Graves and E. T. Ladd excelled for the freshmen. The line-up:

1903.

West, l. e.
Jones, l. t.
Robertson, l. g.
Barrus, c.
Hood, r. g.
Tottingham, r. t.
Peebles, r. e.
Cook, q. b.
Bowen, r. h. b.
Tower, l. h. b.
Allen, f. b.

Score—'05, 12; '03, 0. Referee, Prof. Smith. Umpire, Gates. Linesmen, McCobb and Lewis. Timekeeper, Morse. Time—15 minute halves.

The annual sophomore-freshmen game played on the campus last Friday afternoon resulted in a tie, 6—6. The sophomores had challenged the freshmen to play without 'varsity men, but before the game the freshmen agreed to let Haffenreffer, ex-'04 play the first half and Ahearn of the 'varsity squad the second half. There was a large crowd of spectators and the game was characterized by the usual rough playing. In the first half neither side made any notable plays. The half ended with the ball on the freshmen's 25 yard line, and in their possession. In the second half Quigley kicked off to the 10 yard line. Walsh advanced the ball 20 yards. The ball went to the sophomores on downs and Ahearn scored a touchdown on a delayed pass. Quigley kicked the goal. Walsh kicked off to Pierce who advanced 10 yards. The sophomores rushed to the 30 yard line and were forced to punt, 1905 rushed to the 35 yard line, and by a trick play sent Graves around the end for a touchdown. Graves kicked the goal. The half ended with

the ball in the freshmen's possession in the middle of the field. The line-up:

1904.

Griffin, r. e.
Tinker, r. t.
Conden, r. g.
Staples, c.
Clibert, l. g.
Fulton, l. t.
Peck, l. e.
Quigley, q. b.
Cregg, l. h. b.
Ahearn, Haffenreffer, r. h. b.,
Pierce, f. b.

Score—1904, 6; 1905, 6. Touchdowns, Ahearn, Graves. Goals from touchdowns, Quigley, Graves. Referee, V. A. Gates. '02, Umpire, Prof. R. S. Lull. Timekeepers, Morse, '02, Munson, '05. Time—two 15 minute halves.

College Notes.

- Kirby, '04, has left college.
- "Massachusetts" 5, Amherst, 0.
- And only one day recess at Thanksgiving.
- The Freshmen bolted Prof. Babb twice last week.
- Belden of Hatfield has entered the Freshman class.
- The Chemical Club re-organized last Monday night.
- The Seniors have chosen a Photograph committee.
- G. E. O'Hearn spent Saturday and Sunday at his home in Pittsfield.
- R. R. Raymouth and George Drew took parts in the play last Friday night.
- The Storrs game has been cancelled by Storrs. Their team has disbanded.
- R. H. Robertson, 1903, has resigned from his position on the college Senate.
- The Junior class is making preparations for a supper the night before Thanksgiving.
- Manager Gates has scheduled a game with Tufts college to be played at Tufts Oval next Saturday, Nov. 23.
- Messrs. Claflin, Hall, Kinney and Lewis of the Senior class have been chosen to serve on the "Prom." committee.

—Our old friend F. Burkes, alias Zeke, visited the college recently. He received a hearty welcome from the Junior class.

—President Goodell and Dr. Fernald represented "Massachusetts" at the annual convention of the National Association of Agricultural colleges at Washington, D. C., last week.

—H. L. Barnes '04 is suffering with a multiple fracture of the leg bone just below the knee. His injuries were received while out practicing for the annual Sophomore-Freshmen foot ball game. Just how it happened is not known but it seems a man tackled him and in falling Barnes got his leg under himself in such a way that the bones broke. He is now doing well and the doctor hopes to bring him around so that his leg will be as good as ever.

—The Natural History Club has been re-organized with the following officers: President, C. E. Dwyer; vice-president, M. H. West; secretary and treasurer, C. A. Tinker; first director, A. C. Monahan; second director, W. E. Hinds; third director, E. A. Back. There will be a meeting of the club next Wednesday evening. Dr. H. T. Fernald will address the meeting on the convention of the Agricultural Colleges and Experiment Stations which he attended last week. All are invited.

—Captain J. A. Anderson is working hard trying to get the necessary permission and equipage for a week's encampment for the Battalion. If the cadets take hold of this movement in the way they should it seems very probable that such an encampment will be held. It is the captain's plan to have the Battalion go to South Framingham at the same time as the First Brigade of the Massachusetts Volunteer Militia; in which case it would enjoy the same privileges and be under the same regulations as the militia.

—Among the alumni noted at the game were: Judge Lyman, '71; H. W. Moore, '96; C. L. Rice, '01; T. Graves, '01; A. W. Morrill, '00; E. A. Jones, '84; R. I. Smith, '01; J. E. Halligan, '00; H. C. Burrington, '96; S. W. Wiley, '98; J. W. Kellogg, '00; A. C. Monahan, '00; J. M. B. O'valle, '01; G. A. Drew, '97; B. H. Smith, '99; J. C. Barry, '01; H. A. Ballou, '95; G. A. Billings, '95; A. S. Kinney, '96; E. A. Atkins, '00; W. E. Hinds, '99; W. A. Kellogg, '99; J. E. Deuel, '92; C. G. Clark, '98; C. R. Kenfield; C. W. Poole, '96; and I. C. Poole, '96.

—The Amherst game has been played, won, and celebrated. After the game the students formed a procession behind the barge in which the team rode and marched through the streets, yelling and cheering. Later in the evening a mass meeting was held and addresses were delivered by Drs. Stone and Paige, Profs. Mills, Cooley, Smith, Howard, Babson and Capt. Anderson. After the speaking the students and alumni formed in line, the band first, then the football team in a barge, the alumni and the senior, junior, sophomore and freshmen classes, and marched down town and around the square. They stopped in front of the Amherst house and made the town ring with their yells. The band gave a short concert while the men danced around the square. Returning to the campus the celebration was wound up by burning a huge bonfire which had been prepared by the freshmen.

Alumni.

M. A. C. MEN, ATTENTION!

The Sixteenth annual reunion and banquet of the Massachusetts Agricultural College club of New York will take place at the Hotel St. Denis, Broadway and Eleventh street, Friday evening, Dec. 6th, at half-past six o'clock under the presidency of Frederic W. Morris, '72. President Goodell and others of faculty past and present will be in attendance. Banquet tickets, \$3.00. Under the established rule, please remit on or before Dec. 3, 1901; attendance at the banquet enrolls any graduate or former student as a member of the club.

ALVAN L. FOWLER, '80, Treasurer,
21 West 24th Street, New York.

At the convention of American Agricultural colleges and experiment stations held in Washington, D. C. last week were present Pres. H. H. Goodell, E. W. Allen, W. E. Stone, C. S. Plumb, '82, F. B. Carpenter, '87, J. H. Washburn, '73, H. J. Wheeler, '83 and S. W. Wiley, '93.

'74.—Daniel W. Hitchcock during the recent state campaign, ran as Democratic Social candidate for the fifth Worcester Representative District.

'83.—We are glad to note that the attempt to defeat Representative Chas. H. Preston of Danvers

was ineffectual. Although the attack on Mr. Preston's record was made at the last minute when his friends had no opportunity to state the facts he won the campaign by a good majority.

'82.—Dr. W. E. Stone, President of Purdue University, contributed an interesting article to a recent symposium by prominent educators in *Harper's Weekly* on "The Benefits of a College Education."

'90.—Fred L. Taylor, M. D., is practicing at 336 Washington St., Brookline.

'95.—Clarence Bronson Lane was married to Miss Nellie La Rue, Aug. 21 at New Brunswick, N. J.

'99.—Wm. E. Chapin has returned from Cumberland Gap, Virginia where he has been employed as teacher and is spending a short vacation at the home of his parents in Chicopee.

'01.—C. L. Rice is employed in the City Engineer's Office, Pittsfield. Mr. Rice was in town for the Massachusetts-Amherst game.

'01.—E. L. Macomber was married in Providence, R. I., Oct. 5, 1900 by the Rev. Mr. King to Miss Grace Pierce Snow. He is situated with the International Correspondence schools at Scranton, Pa. Present address 167 Cohannet St., Taunton.

Department Notes.

HATCH EXPERIMENT STATION, DEPARTMENT OF FOODS AND FEEDING.

This department has just completed a collection of concentrated feed stuffs, and the same are now being analyzed. A bulletin will be issued as soon as possible giving full information on this subject.

The last General Court passed an act for the protection of dairying. This act required: first, that all glassware used in connection with the so-called Babcock machine should be tested for accuracy; second, that all parties operating Babcock machines should be examined to see if they were properly qualified for such work; third, that all Babcock machines in use by creameries, dairies, etc., in Massachusetts should be duly inspected in order to ascertain if they were in proper condition.

It has been made the business of this department to carry out the above provisions. During the past summer and autumn a very large amount of glassware

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has been inspected by this department. Some forty-five candidates have also presented themselves for examination. Mr. Nathan J. Hunting, '01, will shortly make an examination of all Babcock machines in Massachusetts in accordance with the provisions of the above law.

Experiments are at present in progress to determine the effect of certain feed constituents upon the body of butter.

LIBRARY NOTES.

The Foundations of Zoology by W. K. Brooks.

The Protozoa by G. N. Calkins.

Agriculture, (3 vols.), by W. P. Brooks. The first volume treats of the composition and food of plants and tells from what sources the necessary elements are derived. It discusses principally the different kinds of soils and the methods of making them the most profitable. The second volume takes up the different kinds of manures, their composition and their application. Fertilizers are then taken up in the same manner and discussed. The subject of Farm Crops is then taken up very thoroughly. Each class is discussed as to the best soil, manure, cultivating, harvesting and storing of the crop together with the principal diseases affecting each. The third volume is on the subject of Animal Husbandry. The characteristics of the different classes of horses, cattle, sheep, and swine together with their importance on the farm. Stock Breeding in all its details is taken up. The composition of foods and their digestibility are explained. Dairying and finally poultry farming are carefully explained. The three volumes contain points invaluable to any farmer who wishes to make his farm pay.

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Editorials.

It is with the greatest of pleasure that we yield the bulk of our space this issue to the football team. We have previously been somewhat sparing of our praises. In the fear that a good record might be spoiled by a fit of overconfidence, but we now acknowledge that our fears were groundless. The football team of 1901 has certainly made a wonderful showing; to it and to all who have helped it achieve its success we can have only words of approval.

SINCE the name of the college paper was changed, we have been receiving many letters in regard to changing the name of the college. From this we gather that many of our readers have in some way obtained the impression that the abolition of "Aggie" had some connection with a possible abolition of "Agricultural." If this is so then the editor has failed to make his explanations clear. The two questions are entirely distinct. The changing of the

official name is a subject with which the students have nothing to do with save in an indirect way. It is not a "live" issue so far as this paper is concerned nor do we intend it shall be unless we are forced to discuss it. It is an old subject which we can see not the slightest use in reviving at this time. It has been fully debated in the past; what good can come from threshing the same old arguments over again? It has made hard feelings enough already. Moreover, even if it was to be discussed, we maintain that the columns of this paper are not the proper place. In the first place we have not the space without shutting out much more interesting and up to date matter. Then a still stronger reason for excluding it is that the SIGNAL goes not alone to alumni and students, but to rival colleges and more especially to the preparatory schools. Are we likely to gain in popular estimation by a continual "washing of dirty linen" in public? If there ever comes a time when there is a reason to believe that a change in name is seriously contemplated then let us have it discussed. But in the meantime, we believe we are justified in refusing to print arguments

on one side or the other. The question of doing away with the word "Aggie," is another matter. This was a student affair, perfectly within our powers. We discovered that its use was injuring rather than helping the college, and changed it to something free from its objections. We expected a certain amount of discussion of this change; but has not even this gone far enough? The change has been made, and nothing further contemplated so far as we know. It has ceased to be a live issue. Let us spend our energies on something of value.

We were very glad to hear of the large number of alumni who attended our football games with Tufts and Boston College. Certainly our alumni are standing by us this fall as never before. Let us hope that it is but the beginning of a better understanding between the students and alumni. We have however one request to make of them—and it may seem like a pretty large one. The old "Aggie" yell was abolished by the students for what seemed to us good and sufficient reasons. We found that to the word "Aggie" which was wholly unobjectionable to everyone, there was being tacked on the word "Amherst" and that the combination "Amherst Aggies" was being used extensively in the public press. As a result nine out of every ten men who read of us under that name confounded us with Amherst College and the tenth man was completely at a loss to know who was meant. As we had no desire to advertise a weaker but better-known rival, we did the only possible thing under the circumstances, that is, stopped using "Aggie" and used something to which no one could possibly tack an "Amherst." Since that time we have endeavored to keep the expression "Amherst Aggie" out of print, with fair success till we heard that our alumni were in a fair way to ruin all our efforts by resuscitating the old yell at out of town games. The effect is best illustrated by an extract from a letter from the editor-in-chief of the *Tufts Weekly*, recently received in reply to our request to see that "Mass. Agricultural," "M. A. C." or "Massachusetts" was used in his paper: "Yours of Nov. 21 received. I appreciate your position, and one of the titles you mention will be used in our account of the game this week. If I may be allowed the privilege however, I would suggest that your 'rooters' drop the objectionable phase from their

cheering if you hope to kill it entirely." For this reason, will our alumni kindly heed this suggestion. If they prefer an old familiar yell or object to the "Massachusetts" yell for any reason why can they not use the old "Hokey, pokey" yell which refers to the college as "M. A. C." To this there could be no possible objection.

THE PURPOSE OF AGRICULTURAL COLLEGES.

We print the following communications not for the purpose of keeping alive an old controversy, but as an example of the consistency of one of the leading agricultural journals of New England—EDITOR'S NOTE.

The following article appeared in the *New England Farmer* of Nov. 9, 1901:

THE FARMERS' COLLEGE.

The tendency to divert the state agricultural college from agricultural aims and purposes cannot but be admitted. Also it cannot but be regretted. The first purpose of such a college is to educate farmers in farming. Belles lettres and military science must be subordinate, if considered at all. Agriculture and cognate and allied sciences are the things to be taught, whether anything else gets attention or not. In Massachusetts we have so far kept the college true to the purposes for which it was established, though the tendency above referred to has shown occasional symptoms. In Connecticut there has been a tussle between the scatter-gun policy and the stick-to-agriculture. In Kansas a similar fight is on, even now. In New Hampshire there have been covert endeavors to make the agricultural college something else, but they have failed. In Maine there was quite a disturbance over the issue. None of our institutions of learning is more important to the state or to the people than the agricultural college. It should be protected from every assault on its genuineness.—*Lowell Journal*.

The reply to this by the undersigned appeared in the *Lowell Weekly Journal*, Nov. 29, 1901. Lack of space forbids our printing it entire.

To the Editor of the *Lowell Journal*: The *New England Farmer* for Nov. 9, 1901, contains a clipping headed "The Farmers' College," credited to the *Lowell Journal*. As this is so expressive of the general misunderstanding concerning the original and present purpose, and the scope of study of the state colleges, and Massachusetts Agricultural college in particular, I cannot refrain from writing a few words of correction.

As is well known, it was due to the efforts of Senator Justin S. Morrill of Vermont that the state colleges were established in 1862, by an act of Congress, providing for their support by means of what is known as the land-grant. The purpose of the land-grant as expressed in the original

act of Congress is as follows: "The endowment, support and maintenance of at least one college where the leading object shall be without excluding other scientific and classical studies, and including military tactics, to teach such branches of learning as are related to agriculture and the mechanic arts in such manner as the legislatures of the states may respectively prescribe. In order to promote the liberal and practical education of the industrial classes in the several pursuits and professions of life."

Since the passage of the bill there has been considerable discussion concerning the exact meaning of the above quoted sentence. Let us see how Senator Morrill interpreted his own bill; surely no one is better able to do this than was he. In an address delivered at the Massachusetts Agricultural college June 21, 1887, on the twenty-fifth anniversary of the passage of the Morrill Land-Grant Act, he said in part: "The Land-Grant colleges were founded on the idea that a higher and broader education should be placed in every state. The design was to open the door to a liberal education for this large class at a cheaper cost from being close at hand, and to tempt them by offering not only sound literary instruction, but something more applicable to the productive employments of life. It would be a mistake to suppose that it was intended that every student should become either a farmer or a mechanic, when the design comprehended not only instruction for those who may hold the plow or follow a trade, but such instruction as any person might need with 'the world all before him where to choose,' and without the exclusion of those who might prefer to adhere to the classics." Elsewhere, as quoted by President Dabney of the University of Tennessee, formerly assistant secretary United States Department of Agriculture, Senator Morrill said: "It is needless to say that these colleges were not established or endowed for the sole purpose of teaching agriculture. It was never intended to force the boys of farmers going into these institutions so to study that they should all come out farmers. It was merely intended to give them an opportunity to do so with advantage if they saw fit."

As regards the classics and military science being subordinate, "if considered at all"—the idea expressed in the *Journal*—the act of Congress above quoted expressly forbids the exclusion of other scientific and classical studies. To quote again from the words of the founder of the state colleges; "Scientific and classical studies, as already stated, were not to be excluded, were therefore to be preserved." And again he says: "In all the land-grant institutions there is likely to be more or less latitude in elective studies, and that without impairment of thorough scholarship in whatever branches may be pursued. * * * All who wish to be equipped for agriculture or for some mechanic art will naturally devote more time to the related fundamental sciences. Those proposing to follow a professional life will be more industrious and thorough in the direction of ancient as well as of modern classical lore."

Although designed primarily to provide education for the industrial classes, these colleges are not class institutions.

The following quotation is from the monograph entitled "Agricultural Education" by Dabney: "Though designed to guarantee them these opportunities they are not limited to the industrial classes. They are intended to supplement existing institutions and provide free tuition for all classes; the sons of professional men as well as mechanics. As Senator Morrill has said in another place, 'I hope that no farmer or mechanic would be so illiberal as to wish to have the monopoly of education in any of these land-grant colleges.' They are, in brief, the colleges of all the people, of every class and profession, and they are intended to give all alike opportunities for the broadest education."

Having shown conclusively by means of these quotations the true purpose of the land-grant colleges it would be well to consider briefly the existing conditions and the results accomplished by one of these institutions. The Massachusetts Agricultural college offers a young man a broad and liberal education." The study of agriculture and the related branches does not by any means occupy an inferior position in the college curriculum, although it is not expected that any large proportion of the students will become farmers.

Of the students who enter the college, I think I am placing the average high when I say that about one-fourth are looking forward to occupation in agricultural lines. Statistics, however, show that among the graduates nearly one-half are engaged in occupations connected with agriculture. In January, 1900, the number of living graduates was about 600. Of these 82 were farmers, while 130 others were in such occupations connected with agriculture as professors in state colleges and universities, farm superintendents, chemists in experiment stations, landscape gardeners, horticulturists, agricultural journalists, experiment station directors, botanists and entomologists in experiment stations, etc.; 266 were engaged in occupations not connected with agriculture such as teachers in schools and colleges (other than state colleges), physicians, civil engineers, chemists, manufacturers, lawyers, judges, electrical engineers, journalists, clergymen, architects, college presidents, etc. In short, the graduates of this institution are to be found in nearly all the walks of life and as a rule they have been eminently successful in their chosen professions.

AUSTIN W. MORRILL.

Amherst, Mass.

Considering that the *New England Farmer* had already seen fit to copy a misleading article, a request to publish a correction of it does not seem very unreasonable. However, the only notice that it received was the following polite editorial:

Austin W. Morrill of Amherst writes a letter to the *Lowell Journal* about agricultural colleges, arguing that they were not intended to be narrowly technical schools but were intended "to promote the liberal and practical education of the industrial classes." The article concludes with a request for the *New England Farmer* to copy it. Bless you, your point is an awfully musty chestnut. We have been preaching that gospel off and on for twenty years.

If we may be permitted to judge, it seems a bit strange that one so zealous for a liberal interpretation of the term "agricultural colleges" should have printed an article of exactly the opposite tenor only a week before, and without uttering a word of dissent. Wouldn't that have been a very good time to have tried "preaching that gospel?" Or is that "off and on" method mostly an "off" one?

CHANGE IN PH. D. REQUIREMENTS.

At a meeting of the faculty Nov. 1, 1901, the rule relating to candidates of the degree of Ph. D. was revised so as to read, "All graduates of this college who may become candidates for the degree of Ph. D. and who during the senior year have not taken the subject which they elect as a major, will be required to make up the same as an undergraduate (senior) subject. Those who elect as a minor a subject not taken in the senior year will not be required to make up the same as an undergraduate subject."

REVIEW OF THE SEASON.

Certainly at the opening of the college year the most sanguine adherent of Massachusetts' athletics would not have predicted a record breaking team for this season. The graduating class had taken with it an unusually large proportion of last year's team, many of them our strongest players. Others returned late, so that but four of last year's team reported on the opening day. The Freshman class was indeed large but its material uncertain and in any case undeveloped. The team began later than hitherto, cutting short the period of preliminary practice by about two weeks, and to cap the climax the schedule was harder than ever before.

Despite this discouraging outlook, practice began with a vim that promised well. Coach Hunt of Brown who had been secured for the opening weeks worked hard, and his efforts were ably seconded by our graduate coach, J. E. Halligan '00. Improvement was soon apparent, but it is safe to say that no one really expected victory on the 28th of September when we met an old rival in Holy Cross. Those of our "rooters" who followed the team to Worcester however were treated to a pleasant surprise. The game was the opening one for both colleges and consequently loose, but it was Massachusetts' day from the start. Four minutes of straight line bucking was enough for

the first touchdown. Eight minutes more added another, and the second half brought us a third. Massachusetts was at no time held for downs and Holy Cross was unable to gain at any time during the game. Score 17-0.

The results of this game were seen at once. Middlebury and Trinity promptly cancelled their games without giving adequate reasons, thus depriving us of our next two games. Nevertheless, the victory encouraged the team, and gave them an enthusiasm which not even the loss of the coach could dampen. Manager Gates succeeded in filling one of the open dates with the Pittsfield Athletic Club. Against this veteran team which later in the season was to hold Williams to a tie, the maroon and white scored a single touchdown. Her goal was never in danger, and constant fumbling alone prevented a bigger score. Score 6-0.

A week later we encountered Wesleyan, for the two previous seasons champions of the Triangular League, and supposedly one of the strongest teams in New England. Again we won in clean-cut, decisive fashion. Although Wesleyan was the heavier she was unable to make consecutive gains or to stop the rushes of our backs, the ball being in her territory continually. Our students met the team in the centre of the town on their return from Middletown and celebrated the victory with great enthusiasm. Score 6-0.

Four days later the team lined up against Williams at Williamstown. Our men had not completely recovered from the Wesleyan game and were not in the best of condition, nevertheless at times they played very strongly, and the game was no walkover for Williams. But for continual and costly fumbling on our part the score might have been much less. As it was, Williams deserved to win, though it was generally admitted on both sides that the teams were more evenly matched than the score indicates. Score 0-17.

The team was left in a crippled condition after the Williams game and was probably in poorer shape in the game the following Saturday with Worcester Polytechnic than at any other time during the season. Largely a substitute team was played which accounts in large measure for the looseness of the game. Both teams did well on the offensive, but the defensive work was generally lacking. Score 18-12.

The most unfortunate incident in the whole season was the withdrawing of the Bates team from our campus at the last moment. They had refused to accept our official notwithstanding that they could give no reasons from debarring him and seemed anxious for a chance to fall out with us. In view of Bates, crippled condition at the time, it would be interesting to know to that an extent fear of defeat inspired their action. Again in view of subsequent developments it is barely possible that the Amherst College management might furnish an explanation of the mystery if so inclined. At all events, the affair is deeply to be regretted and we hope that the present strained relations between Massachusetts and Bates will not continue.

Soon after the Bates fiasco, F. E. Jennings of Dartmouth was secured as coach, thanks to the liberal subscriptions of the alumni. His coming put new life into the team and improvement was evident at the very start, though the Springfield Training School game revealed some weak points, especially on the offensive. The Training School team showed up in unexpected strength and as usual in the best of physical condition. No score was made in the first half though the ball was in Springfield's territory most of the time. In the second half our men woke up and twice crossed the goal-line. Score 10-0.

The following week the work of the coach began to tell. On Nov. 9th the annual game with Amherst took place on Pratt Field. It was an ideal day for foot ball save for a strong wind. From comparative scores, Amherst was picked as the winner, but failed to materialize. Massachusetts outplayed her opponents from the start keeping the ball in Amherst's territory most of the time. The only score was on a goal from placement by O'Hearn kicked from the 20-yard line. A fumble in the second half on the 10-yard line alone prevented another score. The victory made our record with Amherst for the last four years, two victories, one tie 0-0, and one defeat. From these figures it is a bit difficult to see any grounds for Amherst's claiming any great superiority over us in the line of foot ball. Score 5-0.

Connecticut Agricultural, after playing in hard luck all the season, very sensibly concluded to disband and accordingly cancelled their game. This closed the original season, but the team had achieved such a record that games were easily arranged with Tufts and

Boston College neither of whom we had ever met before. Both games are described in detail elsewhere. The effect of these victories was to add tremendously to the prestige of the college in the portion of the state from which the bulk of our students are drawn.

Taking the season as a whole it has easily been the most successful in our history. The team played very strongly at the start and finish, and the usual slump in mid-season was due to misfortune rather than to indifferent work. The team played together in good style and showed better knowledge of the game than usual. It was surprisingly free from over-confidence. The worst fault was constant fumbling which cost us many points this season. There was often also a weakness in catching punts, and it is a wonder that so few mishaps resulted from it. Oftentimes too the backs were prevented from making long runs only by lack of speed. On the other hand, the team played a remarkably clean game almost never being penalized for holding or offside play.

It is becoming easier to arrange a good schedule each year, and it is safe to say that next year's will be harder than ever before. The remarkably advance of the college in football will be seen if it is remembered that in 1896, only six years ago, not a single college team was played, the entire schedule consisting of games with Mt. Hermon, Williston and two Y. M. C. A. teams. None of these would be considered for a moment to-day. We are justified this year in claiming sixth place in New England, Harvard, Yale, Dartmouth, Williams and possibly Brown being the only colleges that can show a better record for the season. Of these Harvard and Dartmouth alone have as good a record in per cent of games won. Is not this a record for a college of 130 students to be proud of?

Many factors must be considered as influencing this creditable showing. First comes the work of the players themselves. If we had not had good material to begin with, we could have done little. Our men have toiled hard and faithfully; the best we can give them will be none too good for them now. For the work of Coach Jennings too we have nothing but praise; the whole college should long remember his efforts. Nor should the able coaching of J. E. Halligan, '00, be forgotten. Without claiming to be the equal of a professional coach, he generously gave up

much of his time, and it is due in large measure to him that the team was kept continually at work during the long breaks in the schedule in mid-season. To the manager and chef of the boarding club credit is due for their hearty co-operation in maintaining a training-table. Captain Anderson's readiness to assist the team in its practice also showed him to be a true friend of athletics. The attitude of the students was also encouraging and at all times they have supported the team well. And finally the thanks of every friend of the college is due the alumni, for their financial and moral assistance. If the present "era of good feeling" can be kept up, the Massachusetts Agricultural College will speedily be made what it ought to be made, the best college in the country.

RECORD FOR THE SEASON.

Sept. 28, Massachusetts vs. Holy Cross,	17—0
Oct. 5, " " Pittsfield Athletic Club,	6—0
Oct. 12, " " Wesleyan,	6—0
Oct. 16, " " Williams,	0—17
Oct. 19, " " Worcester Polytechnic,	18—12
Nov. 2, " " Springfield Training School,	10—0
Nov. 9, " " Amherst,	5—0
Nov. 23, " " Tufts,	6—0
Nov. 28, " " Boston College,	11—0
Nov. 29, " " All others,	79—29

REVIEW OF THE TEAM.

The football team of 1901 will easily rank as the best in our history. Drawn originally from less than twenty candidates, with but six members remaining from last year's eleven, it has had much to contend against. For more than half of the time it has had to struggle along with no coaching whatever. The schedule was a hard one, with several long breaks between games. There was no organized scrub, and the opportunities for practice were correspondingly limited. Till the last of the season there was no training-table. Certainly a team that can with all these handicaps win steadily against colleges with triple the number of students, dozens of candidates and permanent coaching deserves to be remembered. It is with the greatest of pleasure that we devote this space to a brief account of the men who make up our team.

Captain Herbert A. Paul, '02, of Lynn entered Massachusetts with the class of 1901 but at the close of the year left College to enlist in the Spanish American War. He returned in the fall of 1899, entering

the class of 1902. He played on his class team in his freshman year and captained the scrub a portion of the fall of '99. He was soon transferred to the varsity and played at center for the next two years. At the close of last year's season he was chosen captain. This fall he has bent all his energies to developing a creditable team. As a captain his tact and leadership were responsible in no small measure for the harmony and absence of friction among the team this season. As a player, he was beset with misfortunes. Almost at the very start he received an injury to his shoulder which kept him out of the game for weeks and he had hardly recovered enough to play when he sprained his ankle and was debarred for the rest of the season. He played as a half-back in two games, sustaining his reputation of being a reliable, all-round man.

Henry L. Bodfish, '02, of Tisbury entered College from Tabor academy where he played two years. He made his class team in his freshman year and the following season played end on the varsity where he has remained ever since with occasional games at full and halfback. He has played a steady consistent game throughout, his defensive work in particular being excellent.

Edmund F. McCobb, '02, of Milford high school played on his class teams the first two years in College, and has substituted at end for the varsity the past two seasons. He has been handicapped by lack of weight and is somewhat erratic, but has put up a hard, plucky and sometimes even brilliant game.

Edward B. Snell, '03, of Methuen received his early football training in the Methuen high school, captaining the team in his senior year. He made the varsity in his freshman year, playing at end and later at guard. The next season he remained at guard. This fall he was transferred to tackle where he played a remarkably strong game throughout the season. This year he has done much of the punting for the team and his work in this line was no small factor in winning the Amherst game. He easily ranks as one of the best tacklers in New England this season.

Charles P. Halligan, '03, of Roslindale comes from a noted "football" family. His eldest brother graduated from Annapolis in 1900, where he ranked as one of the stars of the navy eleven. James E. Hal-

ligan, Mass., 1900, will long be remembered as one of the famous captain of our athletic teams. C. P. Halligan seems to have followed their example. He played on the English high school eleven in his preparatory school days, and entered Massachusetts in the fall of 1900 as a member of the sophomore class. He immediately made the varsity as a tackle and has played in that position ever since. He was one of the surest ground gainers on the team this season. His election to the captaincy of next year's eleven was well deserved.

Harry J. Franklin, '03, of Bernardston prepared at Powers Institute. He played on his class team in his freshman year and served as a substitute for the varsity the following season. This year he played at right guard till prevented by injuries at the close of the season. He is a light man for the position, but he has played a steady, consistent game and held his opponent well.

Philip W. Brooks, '03, of Cambridge prepared for college at Carleton school. He played quarter on his class team for two years and this season served as quarter till the closing games. Though handicapped by lack of weight and limited football experience, he did surprisingly well. He ran the team in good shape and set a good example by the pluck and dash which his playing showed. Brooks also served as assistant manager this fall and is manager elect for next season.

Edward G. Proulx, '03, of Hatfield played for two years on Smith academy, captaining the team in his senior year. In College he made his class team each year and this fall played several games with the varsity as substitute half back and end. He played a hard and gritty game, and was one of the quickest men on the team, but was too light for a regular position.

George E. O'Hearn, '04, of Pittsfield played four years on the Pittsfield high school eleven, and was its captain in his senior year. He also played two seasons with the Pittsfield Athletic club. He has played at end since entering Massachusetts. In the absence of Capt. Paul he has acted as field captain, and proved himself well adapted for the position. He has also made most of the tries for goal this fall, kicking 7 goals from touchdowns out of 9 attempts. He made the only score of the Amherst game by a pretty place-kick from the 20 yard line. While inclined to be er-

atic he has made a brilliant record for the season.

Michael F. Ahearn, '04, of Framingham entered College in the class of 1901. He made his class teams each year, and in 1899 played right end on the varsity. He left College the following winter but re-entered last spring as a member of 1904. While in the midst of the baseball season he sprained his knee and as a result was kept off the gridiron till late in the fall. He played his first game at quarter against Amherst, surprising everyone by his good judgment in running the plays and continued in that position the rest of the season.

Clarence W. Lewis, '04, played guard for three years on the Melrose high school team and on the town eleven as well. He won his "M" last year, playing fullback the entire season. He returned late this fall, but finished the season, playing half-back most of the time. He was a hard and faithful worker, playing a good game throughout. He was especially valuable on the offensive, in advancing the ball through the line.

Willard A. Munson, '05, of Aurora, Ill., played four years on the Aurora high school team, two at tackle and two at full-back, captaining the team in his senior year. He has played at full-back for Massachusetts the entire season. While somewhat erratic, he has proved himself an excellent player, and one of the best ground-gainers on the team.

George W. Patch, '05, of Lexington, played two years at centre for Somerville high. He immediately made the varsity this fall for the same position and has played a good steady game the entire season. He has the makings of as good a centre as we have ever had.

William L. Craighead, '05, of Boston prepared for college at Howard university of Washington, D. C., where he played at centre for three years. He has been at guard with us in every game this fall. He has improved wonderfully during the season and in the Amherst game showed himself to be one of the strongest men on the team, repeatedly breaking through on defense and nailing the runner for a loss. With three years more of football before him his chances for making a reputation are excellent.

Chester L. Whitaker, '05, of Somerville, played two years at tackle on Somerville high. He started in here as a tackle but was shifted to half-back, where

he did good work. He has made few long gains, but has played a steady, consistent game.

John J. Gardner, '05, of Milford prepared at Hopedale high. This is his first year of football. As a substitute guard he made a good showing in our closing games. With more experience he should make a valuable player.

Thomas F. Walsh, '05, played at full-back for Ayer high before entering College. He has served as a substitute half-back and will doubtless give a good account of himself in another season.

Victor A. Gates, '02, of Memphis, Tenn., has done well as manager. His schedule was the best we ever had, games being secured with many colleges which we never before met. Good coaches have been hired, and he has looked out for the team well both at home and on its trips. In one respect he was criticized more or less by the students. Frequently when the team played away from home, he was not always careful to send the results promptly, thereby keeping the whole College needlessly in suspense. It was not a serious fault and we do not mention it as such, but as a point which future managers can easily improve upon. In general he has shown good business ability throughout.

The statistics of the team follow:

Name	Position	Age	Weight
Paul (Captain)	half-back	22	155
Bodfish	right end	24	165
McCobb	sub end	22	140
Snell	right tackle	22	183
Halligan	left tackle	20	183
Franklin	right guard	18	164
Proulx	sub half-back	20	140
Brooks	sub quarter	18	127
O'Hearn	left end	21	170
Lewis	right half-back	19	173
Ahearn	quarter	23	140
Munson	full-back	20	172
Whittaker	left half-back	19	165
Craighead	left guard	25	183
Patch	centre	20	183
Gardner	sub guard	19	176
Walsh	sub half-back	17	155

Total weight, 2774 lbs.; average age, 21; average weight, 163 1-2 lbs.

The following men in College are entitled to the football "M": Paul '02, Gates '02 (Manager), Bodfish '02, McCobb '92, Dellea '02, Snell '03, Halligan '03, Franklin '03, Proulx '03, Brooks '03, O'Hearn '04, Ahearn '04, Lewis '04, Munson '05, Whittaker '05, Craighead '05, Patch '05, Gardner '05. Of these, Gates, Franklin, Proulx, Brooks, Munson, Whit-

aker, Craighead, Patch and Gardner win it for the first time this season.

Of the work of the team as a whole, we can say that it showed a better knowledge of the game, kept in better training, did the best team work and showed the best spirit of any team in our history. Two or three years ago our athletic team went out to make a good showing; by this they usually meant a defeat of about 20 to 0 and thought themselves lucky at that. This year our team went out to win, and they did it. Our substitutes too have for the first time been reliable in case of need. With but three members of the squad to graduate, only one of whom has played in a majority of games, and the favorable outlook for a permanent coach, the chances for another season are most decidedly bright.

Athletic Notes.

MASSACHUSETTS, 6; TUFTS, 0.

The game with Tufts college on Friday, Nov. 22, was the first opportunity the Massachusetts team has had of appearing in the eastern part of the state and the reputation which preceded them was well sustained as may be seen by the results of the game.

The team was in the best of condition and played a fast, snappy game. Their defense and offense was excellent but for an unlucky fumble we would have scored again.

Tufts seemed to be a little the heavier but Massachusetts made up for this by superior team work and fast playing.

Tufts won the toss and chose the wind. Halligan kicked off to Knight who ran it back ten yards. On next play O'Hearn tackled Clement for a loss of five yards. On next down Tufts could not gain so Knight punted to Ahearn who was downed without gain. Massachusetts then by short gains made by Snell and Halligan, Lewis and Whittaker carried the ball to the goal line. It was Massachusetts ball and first down with ball on goal line, the referee declaring that it was not a touchdown because the ball was not entirely over the line. On the next rush the ball was fumbled and Tufts secured it. Knight punted about sixty yards to Ahearn who ran it back about ten yards. Massachusetts was unable to gain so Snell fell back for a punt but fumbled and it was Tufts ball on Massa-



HALLIGAN—Coach. WALKER. O'HEARN. BROOKS. BODFISH. WHITTAKER. MCCOBB. HALLIGAN. FRANKLIN. SNELL. PROULX. PAUL, Captain. GATEHEAD. MUNSON. AHEARN. GATES—Manager. BELDEN. PATCH.

chusetts 35-yard line. After making a few short gains Tufts was held for downs on 30-yard line. Massachusetts then made a few gains around the ends and through tackle carrying the ball to the center of field when time was called.

In the second half Knight kicked off to Whitaker who ran back about 12 yards. Lewis was sent through for five yards and was followed by Snell with five more. Halligan was tackled for a loss. Massachusetts then received ten yards on offside play. Munson made one yard through tackle and Halligan was again tackled for a loss and on the next play Massachusetts being unable to gain the ball went to Tufts. Knight hurdled the center several times for good gains. Clement tried end but lost on next rush. Chapman was unable to gain and Knight was compelled to punt. Massachusetts being unable to make any gains tried quarter-back kick which worked for 30 yards. O'Hearn then tried for a place kick but failed. Knight caught the kick and ran it back 20 yards. Chapman went through right tackle for three yards and Clement circled the end for five more. Knight then tried to hurdle but lost the ball, Massachusetts securing it. From here by continually running by Snell and Halligan the ball was carried to the three-yard line where it was carried over for a touchdown. O'Hearn kicked goal. Score, 6-0.

For Tufts, Knight, Pierce and Flagg did the best playing while Snell, Halligan and Ahearn excelled for Massachusetts. The line up:

MASSACHUSETTS.	TUFTS.
O'Hearn, l. e.	r. e., Ray
Halligan, l. t.	r. t., McMahon
Craighead, l. g.	r. g., Pierce
Patch, c.	c., Gale
Gardner, r. g.	l. g., Calamean
Snell, r. t.	i. t., Dow, Danforth
Bodfish, r. e.	l. e., Plunkett
Ahearn, q. b.	b., Flagg
Lewis, r. h. b.	r. h. b., Chapman
Whitaker, l. h. b.	r. h. b., Clement
Munson, f. b.	f. b., Knight

Score—Massachusetts 6, Tufts 0. Touchdowns—Snell. Goal from touchdown—O'Hearn. Referee—Saunders of Somerville. Umpire—Crowell of Dartmouth. Timers—Perkins and Belden. Linesmen—Harrington and Halligan. Time—20 minute halves.

MASSACHUSETTS, 11; BOSTON COLLEGE, 0.

The last game of the season was played on Thanksgiving Day with Boston College and resulted in a victory for Massachusetts by a score of 11 to 0.

Notwithstanding the cold there was a large and enthusiastic crowd present, both sides being well represented. The teams were well matched according to weight, the advantage being slightly in favor of Boston College.

The offensive work of both teams was very good, Massachusetts excelling. On defensive the Massachusetts team was not quite up to her usual standard and did not hold until compelled to do so as in the first half when Boston College had ball on Massachusetts three-yard line they were held for downs. Fumbling was quite frequent due to the cold weather.

Boston College won the toss and Halligan kicked off to Boston College's 10-yard line. Murphy ran the ball back about ten yards but after a few rushes they lost the ball on a fumble. Massachusetts then carried the ball to Boston College's 5-yard line where Halligan carried it over. O'Hearn missed the try for goal.

Boston College kicks off to Munson who runs ball back about 15 yards. By use of tackles back formation, Snell and Halligan, alternately carrying the ball. Boston College 55-yard line was soon reached; here Massachusetts fumbled and it was Boston College's ball. On a delayed pass McDermott took the ball around right end for a 30-yard run. By continual line plunges Boston College carried the ball to Massachusetts three-yard line but were held for downs just as time was called.

In the second half Murphy kicked off to Massachusetts, with a few tricks and line plunges the ball was carried to Boston College 45-yard line where Ahearn tried a quarterback kick but kicked out of bounds. It was Boston College ball but they were immediately held for downs and with ball once more in their possession Massachusetts soon carried it over the line for the second and last touchdown of the game. Snell carrying the ball over. O'Hearn kicked goal. Score 11 to 0. After the kickoff time was soon called.

For Boston College Murphy and Kenney did the best playing while Snell, Halligan and Bodfish excelled for Massachusetts. The line-up:

MASSACHUSETTS.	BOSTON COLLEGE.
Bodfish, l. e.	r. e., Sullivan
Snell, l. t.	r. t., Cohan
Craighead, l. g.	r. g., Crane
Patch, c.	c., Kenney
Franklin, r. g.	l. g., Lafferty
Halligan, r. t.	l. t., Kendrick
O'Hearn, r. e.	l. e., McCarty
Ahearn, q. b.	q. b., Riley
Whitaker, l. h. b.	r. h. b., McKuster
Lewis, r. h. b.	l. h. b., McDermott
Munson, f. b.	f. b., Murphy

Score—Massachusetts 11, Boston College 0. Touchdowns—Halligan, Snell. Goals—O'Hearn. Umpire—Crowell. Referee—Holton. Timers—Wayland of Dartmouth. Gates of Massachusetts. Time—20-minute halves.

College Notes.

- Basket ball next.
- Eight won out of nine 1
- Belden, 1905 has left college.
- The college got its first bolt for years on chapel Saturday morning.
- Captain Anderson is planing to put in some new apparatus in the Drill hall.
- Rev. E. E. Keedy of Hadley conductep services in the chapel last Sunday morning.
- Capt. Anderson is planning to have a sham battle next spring between the companies.
- The regular hour for Sunday service in the chapel has been changed from 9-15 to 9-25.
- The new seats in the Reading Room are a great improvement and are highly appreciated.
- H. A. Paul is now able to get around without the use of crutches. He is attending recitations.
- The ladies of the Faculty will not hold a social this Fall as planned but will have two next winter instead.
- Dr. Paige and Prof. Hasbrook have been choosen as representatives of the Faculty on the "Prom." committee.
- Barnes '04 has been removed to his home in Stockbridge. Although still confined to his bed his leg is mending rapidly.
- The backstop looked very well last week when the students returned. Only why not paint the record on so that it will last all winter?
- Quite a number from here went to Northampton Thursday to hear the address of Booker T. Washington. All seem well pleased with the lecture.
- C. P. Halligan 1903, has been elected foot ball captain for the season of 1902; P. W. Brooks was chosen manager and C. H. Griffin assistant manager.
- J. M. Dellea '02 had two ribs broken while playing foot ball about two weeks ago. Dr. Branch attended him and Mr. Dellea is now able to attend his recitations.
- George E. O'Hearn has been confined to his home in Pittsfield with a very bad cold caught at the Boston college game. He is now back and able to attend recitations.
- President Goodell was re-elected chairman of the executive committee of the American association of Agricultural Colleges and Experiment Stations, at the regular annual meeting held in Washington, D. C. two weeks ago.
- Dr. H. T. Fernald attended the meeting of the Association of Nursery Stock Inspectors recently held in Washington, D. C. Dr. Fernald is the Massachusetts State Inspector and represented this state at the meeting.
- The skating on the pond is only passable but if the men would turn out and get a couple of lengths of hose they could easily flood the ice and in a very short time we would have the best of skating.
- T. M. Carpenter 1902 has left college temporarily to accept a lucrative position in the Chemical Division of the Pennsylvania Experiment Station. He will continue his studies as far as possible and expects to be able to return in four months and complete his course.
- Mr. Adolph Helmburger has resigned his position as instructor in Chemistry and has returned to Florida. His successor is Mr. D. L. Cleaves. Mr. Cleaves graduated from the University of Maine in 1898 and has taken graduate work in Chemistry at the Worcester Polytechnic Institute and the Massachusetts Institute of Technology.
- At a meeting of the "Prom." committee held last Friday night it was decided to hold the "Prom." on Friday evening, February 14, 1902. Warner's orchestra of Northampton will furnish the music. The following committees were appointed: Music, Tinkham and Kinney; decoration, Kinney, Lewis, Monahan, Snell; hack, Proulx; printing, Claflin, Tinkham; refreshments, Claflin, Hall.
- Too much cannot be said in praise of the work of William Reardon the new chef at the Boarding Club. He worked hard to keep an excellent training table and to him is due much of the credit for this past successful season. His Thanksgiving dinner certainly was the best meal ever served in this boarding-house, while his regular food is so good that everybody wears a happy smile of contentment.
- The resources of Columbia University amount to \$18,000,000, and consists of seven schools with a united attendance of 4,600 students.

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Alumni.

'95.—A. D. Potter, landscape and sanitary engineer, Fair Haven.

'95.—H. W. Lewis is with C. H. Harrington & Co., civil engineers, 60 State St., Boston.

'96.—F. B. Shaw, Manager Postal Telegraph Cable Co., 1140 Columbus Ave., Boston.

'97.—Harry F. Allen is now holding the position of teacher in Billings, Oklahoma.

'97.—John W. Allen, florist, 164 E. 85th St., New York city.

'98.—S. W. Wiley spent a few days in Washington, D. C., week before last, on official business connected with the Hatch Experiment Station.

'00.—Mr. and Mrs. Arthur Frost of Boston spent Thanksgiving at the home of Mrs. Frost's parents Mr. and Mrs. Chas. E. Wakefield in Amherst.

'00.—An interesting article lately appeared in the Lowell Journal written by Austin Morrill in answer to an article in the N. E. Farmer which came out some time since. The tenor of Mr. Morrill's insertions is appreciated among the students of this institution.

'01.—P. C. Brooks is now situated at 11902 Muskegon Ave., Chicago, Ill.

'01.—John H. Todd recently spent a few days visiting his college friends.

The annual meeting of the New York alumni of the Massachusetts Agricultural College club of New York was held at the Hotel St. Denis in New York, on Friday evening Dec. 6. President H. H. Goodell and Prof. Geo. F. Mills represented the faculty and H. A. Paul, '02, the athletic association. A detailed account will appear in our next issue.

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Editorials.

FRIDAY evening Jan. 24th, the long looked for banquet for the celebration of our successful football season will be held in the drill hall. Through the efforts of Mr. Reardon and the committee in charge this affair bids fair to be highly successful. A number of the alumni are expected to be present and the toasts will be interspersed with music by the glee club and the band. Although coming rather late after the end of the season a generous amount of enthusiasm is expected. It is this enthusiasm which is needed to help win future games and there is no better time to show a genuine college spirit than at this time. Let everyone be present!

THERE seems to be no further reason to doubt the feasibility of trying to run a basket-ball team at this college. Certainly there could be no better proof of the abilities of our team to give a good account of itself than was manifested in the game against Northampton. Although there is manifestly much room

for improvement yet the team work was all that could be expected, considering the circumstances in which our men are placed. Although basket-ball is a newly installed game here, there is no reason why, with the proper management and financial support, we cannot put out a team which will do credit to the institution. But if such an end is to be attained the co-operation of every man interested in the game should be given. Let the requests of the captain for men to appear at practice be heeded and let every man do what he can towards winning fresh laurels in our athletics.

THE regular annual banquet of the Massachusetts Agricultural College Alumni club was held at the Quincy House, Boston, Jan. 16th. About eighty were present including alumni all over the state. President Gates spoke highly of the way in which the graduates had made names for themselves, stating that of the 1300 persons at the college since it started he could account for 1100 of them and all were holding honorable positions. He set forth the need of more instructors at the college and stated that pro-

visions have been made by the bill now before the Legislature to furnish instruction in mining, forestry, agricultural engineering and irrigation and roads and road-making also providing for the teaching of physics and higher mathematics. A bill asking for an appropriation of \$90,000 is also before the Legislature \$50,000 of which will be used in erecting a first class modern dining hall, \$35,000 to install a central heating plant and \$500 to maintain the dining hall. The officers elected were: President, C. H. Preston, '83; treasurer, R. B. Mackintosh, '86; directors, M. Bunker, '75, F. H. Fowler, '87, A. H. Kirkland, '94; clerk, W. F. Davis, '89.

THERE is nothing more pleasing to the undergraduate body of any college than is the knowledge that the alumni are energetically striving to better the conditions and further the interests of their alma mater. And especially is this true at this institution. However hard the student body may strive to bolster up and keep in pace with other colleges the conditions of the various departments of social and athletic life, it is uphill work to say the least when there is no aid from the alumni in sight. We, however, have little at which to complain about our own alumni. During the last football season they responded nobly to a call to aid our finances and it is to them that we owe much of our success. They are not however to lay back on the oars now that the season is finished but are constantly pushing the matter of the long cherished but slowly materializing athletic field. A few years since, a movement was set on foot to organize an athletic association for the purpose of realizing this project. Through a misunderstanding however this organization has been re-organized with a capitalization of \$15,000. Funds will be raised by the issuing of stock certificates at \$10 each. The plan was placed before members of the alumni at the recent banquet at Boston and met with hearty approval. The plan seems feasible and with the proper amount of energy on the part of its authors there seems no reason why the long looked for athletic field may not become a reality.

—Freshmen Belden, Graves, Sprague, E. Straw and Brigham, have left college.

SIXTEENTH ANNUAL REUNION AND BANQUET OF THE MASSACHUSETTS AGRICULTURAL COLLEGE CLUB OF NEW YORK.

The place: St. Denis.

The date: December 6th, 1902.

Guests: President H. H. Goodell, LL. D., Professor William R. Ware, LL. D., (Harvard, 1852.) of Columbia university, Professor Geo. F. Mills, M. A., Lieut. C. A. L. Totten, M. A., Thomas Rosenmuller of West Hartford, Conn.

President: Frederick W. Morris, '72.

Toastmaster: Dr. John A. Cutter, '82.

In opening the post-prandial exercises, the toastmaster announced that he had been drafted to serve in the place of the president, the latter suffering from an affection of the eyes which prevented his seeing the members present distinctly. After a few remarks, President Goodell was called upon.

The President responded in an unusually entertaining and instructive address; missing the reunion of the previous year, because of attendance in Washington, he went into detail as to the actual condition of things at M. A. C. to our edification and comfort. The opportunities in the immediate future were outlined to us and we felt at the close of his address that we had been listening to the same Goodell of twenty thirty, yes thirty-three years ago. *Long may the President live to benefit our Alma Mater!*

The Toastmaster said that for four years the officers of the club had been systematically sending to all former and present members of the Faculty whose addresses were obtainable, invitations in the name of the President of the Club; such had brought many courteous replies; this year among them was a response accepting by Professor Ware of Columbia. On Professor Ware's appearance and introduction in the parlor of the hotel he stated that he never had ever seen the College and had been in Amherst but once. The toastmaster was yet very glad that Professor Ware was with us to-night.

Professor Ware said: "I have been receiving invitations for four years to these alumni reunions. The first time I thought it altogether wrong; second, I became doubtful and thought that there might be some rightful intent; third time my doubt increased and

this year I made up my mind to accept. Now I have no right here; I never lectured at your institution; years ago President Clark did invite me to lecture and I responded favorably. Now usually when one is invited to lecture it means money and not to be put aside—yet I never did lecture, hence again I have no right to be here; but here I am and I am going to stay as long as the rest of you do. As to Agriculture and Architecture—there is little or no connection, apparently; both words commence and end with the same letters, but Agriculture is of the soil; Architecture spurns the earth and soars up to heaven. Yet there is an intermediary and it is well that I am at this dinner to call your attention to it, Landscape gardening essentially combines Agriculture and Architecture, and to-day there is no school of landscape gardening in any college or university of the country. Surely here is a field for your institution." The Professor told of some of the progress that was being made in the teaching of Architecture and gave a most cordial invitation to those present to call upon him at Columbia.

Lieutenant Totten was then announced as the professor of military science and tactics that built the fort on the campus and did other stunts that the students some times did not like. The Lieutenant responded in a reminiscent vein and then branching on to the subject of football said that some years ago he had with Walter Camp written an article on the relation of the orders of battle to the game of foot-ball and would be pleased to send copies to the foot-ball team.

In introducing Captain Herbert A. Paul, '02, of the Massachusetts foot ball team, the toastmaster briefly reviewed the history of the game at M. A. C. which was started by the late Francis Codman, '80.

Captain Paul said: "I have been caught red-handed in the vineyard and have had to go up against Prexy, but this is the hardest game that I was ever up against and unfortunately I cannot call a substitute from the side lines. Last June when the College year ended, I was condoled with by members of the foot-ball squad from '01; was told to expect nothing; you will be beaten by Amherst, Holy Cross and Wesleyan but do not let Storrs beat you Déry said. We returned to College in the fall and took up the work in the best way we could and with the results you know well of. Here followed a succinct account of the games with

a history of the coaching relations. The Captain closed with a reasonable hope that we would win many games next fall.

The Toastmaster said that we had been highly edified by the speech of Captain Paul which reflected in its substance and delivery credit upon him as well as the department of English. In regard to the raising of funds of which the Captain had not spoken, it was necessary to state that a by-law of the New York Alumni club does not allow any solicitation of funds at any banquet, but that when the fall came and money was needed for first class coaching throughout the season there would be no difficulty in obtaining from individuals of the New York end its quota.

Professor Mills was then introduced as a first-class teacher and loyal friend of the M. A. C. and justified this introduction by a most earnest speech on the progress of the institution.

Father Barrett, '75, followed in a timely and enlivening speech. Pity we had not a stenographer to take it down but those who have heard his addresses and sat under his presiding at our "Kommers" at Amherst know well of the treat.

Dr. Winfield T. Ayres, '86, talked entertainingly of football in the days of his class; they did good work then.

Charles Edward Beach, '82, was introduced as a genuine farmer; said that he had come to the dinner with some down-heartedness as he felt that the agitation for the change of name was unwise but was refreshed by the meeting and the reports of progress. (It is well to state that the subject of name was not discussed pro or con, other subjects taking up the full time.)

The Nominating Committee reported the following list of officers: Pres't, William D. Russell, '71; vice-pres't, C. O. Lovell, '78; 2nd vice-pres't, Jas. S. Williams, '82; 3rd vice-pres't, Geo. H. Wright, '88; sec'y-treas., Alvan L. Fowler, '80; choragus, Sanford D. Foot, '88; historian, Dr. John A. Cutter, '82.

President Morris on motion and vote declared said nominees duly elected to their respective offices.

On motion the meeting adjourned sine die, thus ending a reunion which was characterized perhaps by the most enthusiastic expressions of loyalty to the College and its interests to a high degree.

ALUMNI CHEERING.

We publish the following letter instead of answering it privately as we have others of similar tenor, because we fear that Mr. Hemenway's criticism of our request in regard to alumni cheering may have been shared by others. This is a new phase of the controversy, and as nothing could be farther from the minds of either the editor or the students than a desire to "dictate" to the alumni or anyone else, we embrace this opportunity to make further explanations.

EDITOR OF COLLEGE SIGNAL:

In your issue of Dec. 11, I notice in an editorial you say that the use of the term "Aggie" was injuring the college. As to the truth of that I think there is some question. Things are not always what they seem and your point of view is an exceedingly narrow one.

The abolition of the term has given the general public the idea expressed in the note printed in the *New England Farmer* and reproduced in your issue. The dropping of the term gives the impression that the college is made up of duds and a man looking for an agriculturist would look elsewhere. It gives the general impression that agriculture and kindred subjects are to be secondary. An attempt to place them so in this state nearly ruined the college and it will take many years of wise counsel to regain its place. I believe there is a greater opening in the different lines of agriculture than in any other thing. Some states require their teachers to pass examinations in it. I have heard from the Superintendent of Public Instruction of nearly every state and territory in the United States as well as many foreign countries. The tendency is much the same. The movement of a broader training in public schools is developing faster than the teachers. Puerto Rico has just—within a few months—established twenty schools where agriculture is taught in a practical way. And here where men are being trained to fill those positions or should be, they take action, which gives an impression which will keep them out of them. I would like to ask two questions, which gives the most support to the paper the undergraduates or alumni? Is your wisdom so great that you should go against the majority and dictate to alumni what they can yell when they are helping support your team?

Yours truly,

H. D. HEMENWAY.

Just why any sane man should get "the general impression that agriculture and kindred subjects are to be secondary," in our college curriculum, because the students are trying to suppress the term "Amherst Aggies" in the public press is something we confess we cannot understand. If there is one point that we have tried to bring out more clearly than another, it is that "Aggie" was not dropped because it meant "Agricultural" but because it meant absolutely nothing to the general public. So long as the official name remains what it is, we fail to see why a change in "nick-names" could have the slightest effect on agriculture. But even supposing for a moment that your position is correct, do you really think that the number who would believe the M. A. C. students to be "dudes" would be any greater than those who used to think that "Aggie" stood for a mere "milking-school" or something of that sort? You must admit that we have had trouble enough on that score, and one is no farther from the truth than the other. If anything the chance of ambiguity is less than before. You question our statement that the words "Amherst Aggie" did seriously harm the college. We will say at once that we do not think "Aggie" as used here on the campus or as remembered by an alumnus did do any material harm, for those who used it knew just what it stood for and could explain it to those who did not. But when its use went further than that and took the place of the official name in the public press, then we maintain that it did do harm. Take the case of this fall. Our football team won notable victories, such as should have made an athletic-loving public interested in us and our work. But how is a stranger reading of the "Amherst Aggies" going to know that the Massachusetts Agricultural College is meant? Yet up to the time the students took action, I did not see the college referred to in any other way in the daily papers, and the posters for out of town games bore invariably the same sign "— vs. Amherst Aggies." How much advertising for the college was that? Why even the athletic editors of the daily papers themselves thought we were a sort of "scrub" eleven for Amherst. You don't believe it? Let us quote from a note in the *Boston Herald*: "The Amherst Aggies are following close on the track of the regular Amherst eleven." And from the *Worcester Telegram* at the end of a season so brilliant as to

CONNECTICUT M. A. C. ALUMNI.

A call having previously been issued a meeting of Connecticut M. A. C. alumni was held at the Henklein Hotel, Hartford, Jan. 8, 1902, for the purpose of discussing the advisability of forming a permanent M. A. C. alumni club in Connecticut.

Those present were E. B. Smead, '71. George A. Parker, '76. Dr. Joseph E. Root, '76. James S. Williams, '82. Prof. Charles S. Phelps, '85. Dr. Richard P. Lyman, '92. Dr. Charles A. Goodrich, '93. H. D. Hemenway, '95. A. B. Cook, '96. R. L. Hayward, ex-'96. W. A. Dawson, 1901. Several others intended to have been present but were unfortunately detained.

The meeting was called to order by Hemenway, '95. and E. B. Smead, '71, was elected temporary chairman and H. D. Hemenway temporary secretary.

Upon motion of George A. Parker, '76, it was voted that we form a permanent Connecticut M. A. C. alumni organization. The secretary was instructed to inform the alumni through the medium of the college paper of the sentiment of the meeting in regard to the organization which was to the effect that a Connecticut organization should not and would not injure the existing M. A. C. alumni clubs in New York and Boston by drawing from their attendance, but on the other hand would tend to enthrone local members to attend those meetings, and would furnish a place of meeting for many alumni not only those in Connecticut but in Western Massachusetts and Rhode Island, who do not now attend any alumni club. It would develop enthusiasm which would be of mutual benefit. It would increase our interest in our Alma Mater, enlarge our acquaintance with the alumni, and would aid in the general advancement of the Massachusetts Agricultural college.

It was the opinion of those present that our annual meetings should be held in February, a dull season of the year for many and held at that time would not conflict with any other M. A. C. alumni organization. It was also voted that as Hartford is so central and easily reached from Western Massachusetts that we especially invite Western Massachusetts and Rhode Island M. A. C. Alumni to join us, and that we extend a general invitation, through the medium of the college paper to all alumni and former students of the Massachusetts Agricultural College.

give us fifth place in New England: "Amherst Aggie, traditionally despised by Amherst *Varsity* for its weakness has sent a lot of good teams down to defeat." Do you think that did the college as much good as if we had been spoken of by our rightful name "Mass. Agricultural?" If you say that athletics are but a single line of work, we reply "True, but are not the Alumni supporting the athletic teams because you believe that athletics advertise the college by making it better known to the public? Then why not do it in a way that will get us the most benefits possible? Now as to your questions. First as to the relative support of this paper by students and alumni. If you mean by support the number of subscribers from each then of course six hundred alumni contribute more money than one hundred and thirty students. But what has that to do with the case? This is no struggle between alumni and student subscribers. The word "Aggie" was not dropped at the desire of students alone, neither was its retention advocated by every alumnus. Practically every member of the Faculty, the alumni members as well as the rest, knew and approved of our intention before the step was ever taken. The original suggestion came not from the students but from the advertising committee of the alumni themselves. Many of our most prominent alumni have since expressed themselves as pleased at the change. And while the majority of the alumni may not be with us now, we feel sure that those who are thoroughly in touch with college opinion to-day support us almost to a man. As the more timorous see that no general turning of things topsy-turvy is intended, they will follow. Time will convince the rest.

Your second question is already answered in part. How the alumni shall cheer is not a question of "dictation" but of college loyalty. At a public athletic contest the friends of our college should be as one man. It is no time or place to parade our petty misunderstandings. Moreover, the supposed object of cheering is to encourage the team. If that is so then to revive an obsolete yell so distasteful to our athletes that they unanimously favored its abolition is absurd. We fancy the yells of Tufts and Boston college were sweeter music to our boys. Why must we keep up constant playing at cross-purposes? Our interests are the same. Let us work together.

A committee consisting of George A. Parker, '76, Charles S. Phelps, '85 and H. D. Hemenway, '95 was appointed to draw up a constitution and by-laws to be presented at the next meeting for action.

H. D. HEMENWAY, Temporary Sec.

OUR CLUBS.

There are three clubs which are exerting a powerful influence in our college, in their respective spheres. As we have said little about them, heretofore, it seems well to give them some space in this issue. We believe that, if all the students knew just what these clubs are doing, they would give them heartier support. The clubs are: The Chemical club, representing the chemical department, the Journal club, representing the entomological department, and the Natural History society, representing all the scientific departments of our college in general.

The Chemical club has been reorganized this winter. A constitution has been drawn up and provision made for a meeting in the chemical lecture-room every two weeks. Already three meetings have been held, all of which were very interesting and instructive. At the first meeting held Nov. 18, 1901, Prof. S. F. Howard gave a lecture on the determination of the weights of precipitates in gravimetric analysis without filtration and weighing; at the second, held Dec. 9, '01, White, '04, and Hamblin, '05, read papers on "Explosives" and Huntington, '05, read one on "Argon;" and, at the third, held Jan. 13, Mr. G. A. Billings, '95, gave an interesting lecture on the Walker-Gordon methods of preparing milk for infant consumption. During the winter, it is proposed that each member of the club shall read a paper or deliver a lecture before the club, on some appropriate subject. To add to the enjoyment of the meetings, and to let them have a social as well as an intellectual side, refreshments are served at the close of each meeting. As Dr. Wellington has quite a number of undergraduates at work in the chemical laboratory, and as there are several graduate chemists connected with the experiment station, there is generally a good attendance at the Chemical club.

On the morning of the first Saturday of each month during the College year, the Journal club meets in the entomological laboratory. The object of the club is the discussion of interesting articles found in the

entomological magazines received at the laboratory. Each member of the club is given some special order or suborder of insects to look out for, for the entire year and to give the principle points of the magazine articles concerning them. This greatly promotes individual research.

The Natural History society, being the most general club of all, has the greatest opportunities. Last year, in connection with the fraternity conference, it provided for several lectures in the chapel. These lectures were all by scientific men. A number outside of the College, gave their assistance. This year the society was reorganized and committees were elected to arrange a series of lectures. As yet these have failed to materialize. There can be no doubt of the benefit of such a series of lectures to the student of science, especially when the college curriculum does not provide anything of the kind. Undoubtedly, however, these lectures will soon be forthcoming.

The length of time that these three clubs have been in existence is a standing proof of their value. The Chemical club was organized during the autumn of 1896, a little over five years ago. The Journal club was organized during the winter of 1900, but, it existed, under the name of the "Fernald Entomological Society," two or three years before that. The Natural History society first came into existence over ten years ago, and, although it has been dormant some time, it is now a living society.

THE CATALOGUE.

On Thursday, Jan. 9th, the college catalogue made its appearance. It is different from any heretofore issued as in previous years it has been incorporated with the experiment station report. This made a large bulky catalogue the greater part of which was of little interest to the prospective student. The students of the college feel grateful to the committee in charge for the change and also for issuing the report earlier than formally.

It is a neat pamphlet of 64 pages with dark gray covers upon which is stamped the state seal. The type is large and clear and is well spaced. The following is a brief summary of the contents; calendar, origin, object and location of the college, the corporation, board of overseers, faculty, committees of the

faculty, requirements for admission, time, place and order of examinations, admission on certificate, admission to advanced standing, courses of instruction. These are much the same as last year. The course in Geology has been broadened but there has been one change made which we are very sorry to see, in the mathematical department the course in lands capengineering has been dropped. If the trustees knew how popular this course really was they would have acted differently for the last fall no less than seven seniors desired to take this course. But nevertheless it will lighten the heavy load on the shoulders of the senior mathematical professor. Next follows a synopsis of the courses of instruction, courses for the degrees of master of Science and Doctor of Philosophy, winter courses, special courses for women, equipment of the several departments, general information in regard to dormitories, expenses, the labor fund, self help, religious services, scholarships. There follows a list of the prizes offered and the award of prizes last year, the degrees conferred in 1901, the enrollment of students which amounts to one hundred and seventy-eight, the index. On the whole it is very satisfactory and much credit is due to the committee of the faculty, Professor Walker, Babson, Ostrander and Lull, which had the matter in charge.

THE FORENSIC CLUB.

One great need of our college has been, at least partially, met. The need of more social life, two years ago, was causing a great deal of discussion. The ladies of the Faculty, in co-operation with the fraternity conference, have taken this in hand and have done much to remedy this matter.

There is another need in our college life which is growing more and more apparent. Last year a Forensic club was started. Officers were elected, a constitution was drawn up, and several debates were held, but, for some reason, it finally fell through. This year, it has not yet revived again. Most of the old officers are gone, and the whole thing seems entirely forgotten.

We now send out baseball and football teams which compete successfully with all the larger colleges in New England, except Harvard and Yale. We have organized a basketball team in the hope that, in a few

years at least, that branch of our athletics will also prove a success.

But is it in athletics alone that we are going to try and prove our strength? Certainly there is material in our college from which we could develop a good debating team. We should show people that we have a mental as well as a physical side.

It is probable that we would not be successful in a debate with a strong team now, but we can develop ourselves along these lines by keeping alive the Forensic club.

The objection cannot be raised to this that it will take a lot of money and that a new tax will have to be levied on the students. In this respect, it is entirely different from going into some new branch of athletics. It need cost but very little. It is simply a case of a little interest and a little work.

It is not alone that we should keep up with other colleges in this matter. We, as college men, should be thoroughly trained to think and speak while standing. And there are many other benefits to be derived which need not be mentioned here. Our fraternities, it is greatly to be feared, are not doing what they might. Without the Forensic club, we find ourselves practically without any forensic training whatever. Let us revive this club, and, not only revive it, but make more of it than heretofore.

College Notes.

—Basket Ball.

—Banquet Friday night.

—Brattalion encampment?

—It is rumored that President Goodell will be unable to attend the Banquet Friday night.

—Dr. J. B. Lindsey mourns the loss of his father, who died in Marblehead Friday, Jan. 3.

—Myron West '03 has been elected a member of the Senate in the place of R. H. Robertson, resigned.

—Electrician Wallace will soon put another arc light in the Drill Hall for the benefit of the basket ball team.

—A bill providing for an appropriation of \$90,000 for the use of this college has been introduced in the legislator.

—The ladies of the Faculty will hold the first of a series of three socials in the chapel on Friday evening Feb. 28. All students are invited.

—The gun shed is being thoroughly overhauled. Already a new floor has been laid and the plumbers are working on the heating apparatus.

—The Freshmen class have at last received their class sweaters. They are made with a blue body and white neck and wrist bands. They are very handsome.

—R. I. Smith '01 of the Horticultural department has been appointed assistant entomologist at the Maryland Experiment Station. Mr. Smith started on his new career Jan. 2.

—An order has been issued by Captain Anderson stating that hereafter the drill hall is to be closed at 10 o'clock every night unless special arrangements are made to keep it open after that hour.

—The annual banquet of the M. A. C. Alumni Association of Massachusetts was held in Boston last Thursday evening. Pres. H. H. Goodell, Prof. R. E. Smith, Prof. W. P. Brook and Dr. C. Wellington were present.

—In some unaccountable manner the score of the Massachusetts viz Northampton Y. M. C. A. basket ball game was reported in many of the local papers as being 14-10. This is a mistake the correct score was Massachusetts 26, Northampton 13.

—At a meeting of the State Board of Agriculture the following appointments to the board were made: Dr. C. A. Goessmann, chemist; Prof. C. H. Fernald, entomologist; Prof. S. T. Maynard, Botanist and pomologist; Dr. J. B. Paige, veterinarian.

—Pres. H. H. Goodell has been in Washington the past two weeks attending hearings given by the house committees on mines on the bill to establish schools of mining in connection with the land grant colleges. It seems very probable that the bill will pass.

—The date of the Junior Prom, has been changed from Feb. 14 to Thursday, Feb. 7. The cadets will not appear in uniform. E. G. Proulx '03 has charge of the hacks and anyone desiring a carriage that evening or the next day should notify Mr. Proulx at once.

The first annual catalogue of the college to be published under a separate cover is now being distributed. The book is very tastefully arranged and reflects great

credit on the committee of the faculty. The committee was Prof. C. S. Walker, Herman Babson, J. E. Ostrander and R. S. Lull.

—The foot ball committee have decided to celebrate the season by giving the team a banquet. The banquet will be held in the Drill Hall Friday evening, Jan. 24, at 8 o'clock. Dr. C. Wellington is to be toastmaster and toast are to be offered by men from Hartford, New York and Boston. E. W. Reardon will do the catering. Invitations have been sent to the faculty and alumni and it is expected that over one hundred and fifty persons will be present.

—L. S. Tupper, E. T. Ladd, H. B. Tinkham, F. K. Williams, J. H. Ladd, C. S. Holcomb, J. F. Lyman, J. H. Hamblin, C. S. Sykes, H. F. Thompson, P. F. Williams, H. Filer and F. H. Plumb have joined the D. G. K. Fraternity; L. S. Walker, T. F. Hunt, H. H. Goodenough, W. B. Hatch, A. D. Taylor, J. J. Gardner, U. D. Ingham and E. E. Rhodes the College Shakespearean Club; C. M. Carter, H. H. Crosby, G. E. Merrill and G. R. Paige the Q. T. V.; G. W. Patch, C. L. Whitaker, W. A. Munson, T. C. Pray, F. L. Yeaw, A. U. Swain, W. M. Sears, G. U. Willis, J. C. Richardson, F. A. Bartlett, W. A. Smith, R. E. Smith, L. A. Ransehausen, A. W. Hall, Jr., and R. L. Allen the Φ . Σ . K.

Athletic Notes.

BASKET-BALL.

Massachusetts played her first basket-ball game of the season with Northampton Y. M. C. A. on June 11. The game was played in the drill hall and a goodly number saw Massachusetts win. Score 26-13. The game was a good one, but would have been more interesting if the officials had been a little less keen sighted. Ahearn made five of the total of eleven baskets thrown during the evening. The score: Ahearn, r. f. i. g., Carver Dellea, (c) l. f. r. g., Cartwright Hall, c. c., Sackett Fulton, r. g. i. f., Regan McCobb, l. g. r. f., Harris (c)

Score: Massachusetts 26, Northampton 13. Goals from field—Ahearn 5, Carver 2, Dellea, Fulton, McCobb: Cartwright. Goals from fouls—Dellea 2, Harris 2, Carver, Regan, Sackett. Referee and umpire—Belden and Huntress, alternate. Time-keeper—Bodfish. Time—two twenty minute halves.

Two interesting games of basket-ball were played at the Drill Hall on the night of Jan. 4th. The game between the Seniors and Sophomores resulted in a score of 15-9 in favor of '04 while '05 won from '03 by a score of 8-3. The line-up was as follows:

'02 vs. '04.
Bodfish, l. f. r. g., Quigley
Dellea, r. f. i. g., Fulton, Griffin
Hall, c. c., White
Gates, l. g. i. f., Gilbert, Gregg
Belden, l. g. i. f., Ahearn
Goals from field—Ahearn 4, Gilbert, Dellea, Belden. Bodfish. Score—'04, 15, —'02, 9.

'02 vs. '05.
Monahan, r. g. i. f., Hunt
Tower, l. g. r. f., Whitaker
Allen, Franklin, c. c., Ladd
Halligan, l. f. r. g., Taylor
Cook, r. f. i. g., Ingham
Goals from field—Ingham, Ladd, Halligan. Goals from foul—Hunt 2. Score, '05, 8—'03, 3.

"MASSACHUSETTS" 1902 BASKET-BALL SCHEDULE.

Jan. 11—Northampton Y. M. C. A., Drill Hall, Amherst.
18—Amherst college, Drill Hall
22—Hartford Y. M. C. A., Drill Hall
Feb. 1—Open date.
13—Amherst, Pratt Gym.
15—Hartford Y. M. C. A., Hartford.
20—Trinity, Drill Hall.
27—Wesleyan, Drill Hall.
Mar 4—Brown, Providence.
5—Fall River Y. M. C. A., Fall River.
14—Fitchburg Y. M. C. A., Fitchburg.
15—Open date.

MODIFIED MILK.

Everyone is familiar with the ordinary method of preparing cow's milk for the feeding of infants, but the modifying of milk in a laboratory on a scientific basis by a physician's prescription is of comparatively recent origin.

A laboratory was established in Boston about 1890 by G. H. Walker and G. E. Gordon known as the Walker Gordon Laboratory Company by the advice and assistance of Dr. T. M. Rotch, who found it extremely difficult to obtain pure milk and a modification in the home because of the following reasons: ordinary milk, improperly handled soon develops a growth of bacteria harmful to the infant; improper modification of cow's

milk contains too many albuminoids and too little sugar while ordinary home modifications become so variable that slight changes in formulae could not be depended upon; and thirdly over feeding does not produce the best results.

The Walker Gordon Laboratory Company controls everything from the management of the cattle on the farm to the leaving of the day's supply at the customer's door. Their success is chiefly due to cleanliness. They do not pasteurize to kill injurious bacteria, but believe that by keeping a large proportion of the germs out by careful handling of the milk they are in a large measure, getting rid of a serious obstacle.

Each laboratory has its own farm. Only the most healthy stock is kept, and those feeds used which will produce the purest and most nutritious milk.

At the laboratory the modifying is done according to the formula of the physician prescribing it, and may read like this: "Fat, 35%; Sugar, 65%; Albuminoids 1.25%; Alkalinity, 5%." Eight feedings of five ounces each." In converting this prescription at the laboratory the following solutions would be used; a definite percentage of cream accurately tested, skim milk with but a trace of fat, a twenty percent solution of sugar of milk, a saturated lime water solution, and distilled water. Different amounts are used to satisfy the prescription. The whole is then thoroughly mixed, put into nursing bottles—a separate feeding in each—and stoppered with nonabsorbent cotton. The milk is then delivered.

The purity and keeping quality of the Walker Gordon milk is such that it is possible to send it in refrigerator boxes across the continent and to Europe; it still remaining perfectly sweet.

The Walker Gordon Laboratories are now established in all the principal cities and are of great convenience to the travelling public.

Alumni.

A cordial invitation is extended to every Massachusetts alumnus to be present at a banquet given as a celebration of the football season, in the Drill Hall Friday evening, Jan. 24, 1902.

'73.—D. P. Penhallow of McGill University has been elected one of the vice-presidents of the American Society of Naturalists.

'78.—Charles Francis Coburn died Thursday Dec. 26, at Lowell, after an illness of over a year. Mr. Coburn was city treasurer of Lowell for four years and previously had been attached to the *Daily Citizen* and also was for fourteen years clerk of the Five Cent Savings Bank of that city. He leaves a wife and three sons.

'91.—Henry J. Field of Greenfield, has recently been appointed by Governor Crane as associate justice. After graduating from this institution Mr. Field took a course in history and sciences in Cornell University and a two years course at the Cornell Law School. He was graduated in 1896 and was admitted to practice the same year. Since entering the bar Mr. Field has practiced at Greenfield where he has since held the position of register for Franklin county under the United States bankruptcy law. He has also for the past four years been secretary of the Franklin County Agricultural Society and is secretary of the Greenfield Republican town committee.

Ex-'92.—F. G. Balduz recently spent a short time at the college while on his way to Chicago in the interests of the Singer Sewing Machine Co.

'94.—Arthur H. Cutler, M. D., is at present practicing at Lawrence, Mass.

'95.—E. C. Howard is principal of a Grammar school in Northampton.

'95.—George A. Billings is acting as instructor in the dairy school connected with the "short course" of this college.

'95.—D. C. Potter, Middletown, Conn.

'95.—F. C. Tobey, Stockbridge.

'95.—H. S. Fairbanks, "The Gladstone," Philadelphia, Pa.

'96.—F. B. Shaw, son of Charles L. Shaw of South Amherst, was married to Miss Josie Belle Harris, by the Rev. B. W. Hamilton at Boston Dec. 11, 1901.

'98.—W. S. Fisher has been appointed principal of the Grammar school in Southwick.

'98.—J. S. Eaton is studying law at the University of New York.

'99.—Melvin H. Pingree was married to Miss Annie J. Lentell, at 6 P. M., Dec. 31, 1901, at the home of the bride's parents, Rev. and Mrs. J. V. Lentell on South Pleasant St., Amherst.

'99.—Samuel E. Smith is taking a dairy course at this college.

'00.—Mr. and Mrs. Abel Gilbert of this town announce the marriage engagement of their daughter, Miss M. Ethel Gilbert to James W. Kellogg.

'00.—A. M. West has been appointed assistant in the ornithological department in Washington, D. C.

'00.—J. B. Landers is at present in charge of his father's farm in Bondsville.

'01.—R. I. Smith has accepted the position of assistant in the entomological department at the Maryland state college.

'01.—J. C. Barry is in the employ of the General Electrical Co., Schenectady, N. Y.

'01.—L. A. Root has purchased and is operating a milk route at Northampton.

'01.—E. S. Gamwell and E. L. Macomber have entered the employ of the Stanley Electric Co. at Pittsfield.

'01.—W. A. Dawson spent a few days at college before the holidays.

'01.—Charles Lesley is studying medicine at the P. & S. Columbia University.

'01.—C. L. Rice recently visited his college friends. He will enter the employ of the Western Electric Co. of New York city.

'01.—George R. Bridgeforth is at the head of the department of Agriculture at the Agricultural and Mechanical College, Normal, Ala.

'01.—Thaddeus Graves visited college a few days since.

Department Notes.

HORTICULTURE.

Professor Maynard has had three calls for horticulturalists.

R. I. Smith has left for Maryland to become assistant entomologist at the Maryland Experiment Station.

Thirteen men in the short course are taking horticulture.

HATCH EXPERIMENT STATION.

Dr. Goessman is able to resume his lectures to the senior class in Chemistry at the Hatch Experiment Station.

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LIBRARY.

A new set of Shakespeare's plays have just been put in the Library. The set consists of thirteen volumes, each volume contains on an average of five hundred pages. The meaning of all the difficult words is given together with its history and formation. At the end of each play the date of composition is given according to the various historians, the source of the plot is also given together with criticisms on the play and on the principal characters. In "The Tempest" will be found Dryden's version of the play.

A large number of John Fiske's works have lately been put in the Library, among which are: *The American Revolution*, (2 vols.), *The Dutch and Quaker Colonies in America*, (2 vols.), *Old Virginia and her Neighbors*, (2 vols.), *The Mississippi Valley in the Civil War*, *A Century of Science and other essays*, *The Unseen World and other essays*, *Darwinism and other essays*, *The Idea of God as Affected by Modern Knowledge*, *Outlines of Cosmic Philosophy* (2 vols.), *Excursions of an Evolutionist*, *Myths and Myth-makers*. These books are all bound alike and all have gilt tops.

History of Marshfield by Lysander Salmon Richards. Sometime ago President Goodell asked Mr. Richards to procure for him the "History of Marshfield" for this college; on enquiry Mr. Richards found there was no published "History of Marshfield." The thought immediately came to him, that in view of the prominence of Marshfield in the history of our country, in the days of the Pilgrims and of the Revolution, there should be at once such a history written to preserve in a general and concise form the events and occurrences in the development of this Colonial town for the use and enlightenment of future generations. Mr. Richards immediately set to work to write one and has produced a very interesting book.

The Human Boy by Eden Phillpotts.

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Editorials.

We take great pleasure in announcing the gift to the college of the beautiful flag used in the decorations at our football celebration the other night. It is a gift which we have long needed and which we know will be heartily appreciated by every friend of the college. We desire to thank for his thoughtful generosity the donor, Mr. T. W. Harrington of Amherst.

CONSIDERABLE criticism has been provoked among our subscribers by the poor appearance of the last issue of the SIGNAL. We are forced to admit that in great measure they were justified, and we hope that succeeding numbers will be more creditable. In view of the unusual circumstances however under which the board labored perhaps there was some justification. Just as the material was about to be collected, the editor-in-chief was summoned home by the death of his mother, necessitating his absence from college the entire week of publication. His duties were thus suddenly thrust upon inexperienced men already over-

burdened with their own work. The only wonder is that they did it as well as they did. For this reason alone, it should also be stated, the college paper was unrepresented at the Boston Alumni Banquet for the first time in years.

It seems almost superfluous to call attention again to our urgent need of a good stirring college song. To anyone who has attended the banquet to the football team, the basketball games or indeed any college gathering it is certainly unnecessary to speak. Some time ago the College Senate appointed a committee to take the matter in charge. They have done what they could and met with fair success. It has been thought best however to provide some special stimulus. The COLLEGE SIGNAL therefore offers a cash prize of five dollars for the best college song, either words or music or both. The judges will consist mainly of members of the faculty. The time limit set is March 1, and all material must be in the hands of the chairman of the committee, Mr. R. W. Morse, '02, by that time. Students, alumni, members of the faculty and

outside parties are alike eligible to compete. The only restriction is that all songs will remain the property of the committee. Let us have a lively competition and some good up-to-date songs.

The predictions made at the opening of the basketball season seem to be verified by the progress of the team. It was pointed out at that time that we could not expect to produce a championship team in a single season. Mere lack of experience, when coupled with the late start and a schedule arranged under difficulties was something which could not be easily overcome. None the less, we think the team has so far done fairly well. Its three victories were well-earned, the score in the Amherst game was the smallest that any team has made against her this season, and even in the Chicopee game our men at least held their own in the second half. In only one respect would we venture to criticize. There need be no reason for complaint at the poor physical condition of the team which more than once has been evident. The time has gone by, if indeed it ever existed when games could be won on luck and haphazard individual playing alone. Training and team-work are what will count, and unless our men recognize this fact we fear they will be handicapped very seriously. The attendance at the games has been reasonably good, and the interest manifested by the college in its team is all that could be desired.

SOME time ago we published a statement in these columns offering to donate as much as we were able of the profits of the COLLEGE SIGNAL to the athletic fund. We did this because we thought that with such a policy inaugurated managers would have something to work for each year and consequently take greater interest. Then too, we concluded that there was no reason why the paper if run on its present basis should not pay a reasonable profit annually which would be quite a help to athletics. We desire to remind our subscribers however that this is purely an experiment and that the measure of our success will depend entirely on the promptness with which they settle their subscriptions. It certainly seems as though everyone with a chance to not only pay an honest debt but to help the football team as well should make a special effort in our behalf. Yet we confess that we have

been somewhat disappointed at the showing thus far, and unless our alumni take a vigorous brace we fear Prof. Smith will be equally disappointed next spring. To facilitate matters we will make this definite offer: of all money received for subscriptions before March 10, one-half will be given to the athletic association. Help us that we may help our teams.

IN the heat of the controversy which has been raging concerning the abolition of the term "Aggie" we have refrained from criticizing the increasing use around college of the expression "Massachusetts State College." We have been silent however not because of a silent approval, but because we felt that one question should be settled as far as possible before another was brought up. The abolition of "Aggie" however is already as far as the public press is concerned practically an assured fact. And we now propose to declare ourselves in regard to a practice nearly if not quite as injurious. We have been sorry to note how prevalent the custom has grown. From the occasional use of former years it has spread like wildfire, till at the present time what do we find? That the great majority of the college pins bear the words "Mass. State College;" that it is almost impossible to secure college stationery bearing any other title; that the official paper of every college organization except the COLLEGE SIGNAL bears that heading; that the Basketball Manager recently attempted to register the college team with the Amateur Athletic Union under that name; that the class of 1901 at graduation printed its programs under that name and even placed by its class tree a stone bearing the letters "M. S. C.;" and perhaps more significant of all that notices posted on the public bulletin board bearing the official name of this college are mutilated and altered so that the word "Agricultural" is replaced by the word "State." To this practice we declare ourselves firmly and irrevocably opposed.

We object to the use of the expression "Massachusetts State College" or its equivalent "M. S. C." on precisely the same grounds that we have objected to the word "Aggie" viz because it is not the name of the college. Whatever we may think of the wisdom of the official title, no matter how much or how soon we would like to see it changed, the fact remains that the name of this college is the Massa-

chusetts Agricultural College, and must be used as such until changed by act of the Legislature of the State. Under these circumstances, the term "Massachusetts State College" is merely a nickname, and a decidedly misleading one at that. We challenge any fair-minded person to find a single argument in its favor without thereby convicting himself of disloyalty to the college. Its use spreads invariably from that false gentility which cannot call a spade a spade, but must speak of it as a "useful implement employed for agricultural purposes." We believe it is the use of this term and not the discontinuance of a word so full of faults as "Aggie" that has created the righteous indignation of our alumni.

In view of its manifest intention to deceive we cannot understand why its use in places demanding the official title is tolerated for an instant by the Faculty. Nor how the Alumni Athletic Committee can sanction the schedule of a team sailing under the name, or the advisory board approve without an objection the records of the "Mass. State College Boarding Club." We congratulate Prof. Smith most heartily for his attitude on the registration of the Basketball team. Likewise the Junior Prom. committee for their sensible decision as to invitations and programs.

But it may be asked, must we always use the long, cumbersome official name? By no means. Only let us be sure to use it in the right place and often enough so that there shall be no possible chance of ambiguity. It has been one of the misfortunes of this college to be better supplied with nicknames than with students. We have been "Aggie," "Amherst Aggie," "Massachusetts Aggie," "Amherst Agricultural," "M. A. C.," "M. S. C.," "Mass. State," "Massachusetts" and even "Amherst State College." Is it any wonder the college is not more widely known? We still have left to us "Mass. Agricultural," "Massachusetts" and "M. A. C." What possible argument can there be for any more?

A NEW PARLOR GAME FOR THE CHILDREN.

I was sitting in my room the other night, studying the easiest way of attending my next day's recitations without reciting, when I heard a terrible racket coming from somewhere below me. At first I thought that perhaps one of the Freshmen was rehearsing an

oration; but the sounds becoming louder, I could distinguish a number of voices raised in demoniac laughter that made my hair feel like the quills of angry porcupine. Mingled with these wild outbursts, there came every few seconds, a crash which I could only account for by remembering that the bass-drummer of the Massachusetts Band roomed in the direction from which the sound seemed to come. The din, getting louder and more unexplainable, I concluded after due thought to investigate. It may take some time to arouse me, but if I am once started, it requires at least one Sophomore to arrest my headlong career. Having therefore, come to this conclusion I became somewhat excited, and putting on an overcoat over my bathrobe—hind side before—I made a rush for the stairway. In my hurry, I tripped over the bath-robe and took a "Brodie" down three flights, landing on the tar walk out doors, in a slightly dazed condition. Making a grab at my scattered senses, I regained enough of them to enable me to investigate the extent of my injuries, and found that both my limbs, as well as a number of ribs were fractured. I did not stop to count how many of the latter were broken, for as I was in somewhat of a hurry, I immediately "worked the 'Christian Science' act, and again listened for the sounds which had roused me a few moments before.

It did not take long to find the room from which the noise proceeded; and, tearing upstairs, I found myself, together with two or three hundred others, gazing at a curious sight. On a corner-seat near the fireplace, was piled a heterogeneous mass of squirming arms and legs, disputing by means of sundry kicks and punches, for the possession of this desirable rest for overworked brains. In the interests of law and order, of course I immediately proceeded to separate combatants. That is I proceeded to try and separate the combatants; for, by a peculiar combination of circumstances which I have now forgotten, I only succeeded in separating for a time my mental and my bodily accomplishments. I don't remember whether I struck the ceiling and then bounded to the floor, or hit the floor first and then to the ceiling. I do not know; however, from the fact that a few hours later I combed about equal amounts of wall-paper, plastering, and carpet from my hair, that I gave some attention to both.

One of the audience dragged me to my feet and, telling me that the arms and legs were only playing a quiet game of "Plg Pile," he succeeded in dissuading me from taking any further part in the combat. By standing on a table, which with the rest of the furniture, had been pushed to one corner of the room, I was enabled to get a good view of the manner of playing this interesting and instructive game which I will describe for the benefit of any of my readers who are desirous of seeing the interior arrangements of Pratt Hospital.

By the time I had climbed to the top of the table, about one-half the players were gathered in one corner of the room, while those who remained on the seat seemed to be preparing for another rush. This soon came; for a pair of arms and legs, upon which I was surprised to see the head and body of a Junior who has been getting excused from drill a great deal of late, suddenly made a rush, and hurled himself on the pile in the corner. They were immediately thrown violently upward and backward by another pair of legs and after describing several geometrical figures in the air, they landed on the floor with one of those crashes which I had thought to be the musical sounds of the bass-drum. The owner would have gotten off without further mishap but for an impudent Freshman who, making a rush in his turn, entangled his feet in the carpet and placed the top of his head exactly in the middle of the unlucky Junior's supper. The rest of the attacking party, tearing to the rescue, tumbled over this obstruction; and the attack was discontinued until the Junior, the Freshman, and the carpet could be disentangled. The game, varied by changes in the occupants of the corner-seat, went on for some time, and wagers were freely exchanged, as to whether the ceiling, floor or seat would hold out the longest.

Luckily for all three perhaps, the "Plgs" at last became tired of the monotony of the game, and one of them suggested a new one in which each man was to jump off the tower of South College, the winner to be he who broke the fewest bones in the descent. My studying being still unfinished I left them arguing the question; and retired feeling well repaid for the loss of my overcoat which had been cut into a whole suit of clothes during the process of my investigations.

FOOTBALL BANQUET.

On Friday evening Jan. 24, the first annual football banquet was held in the Drill hall. The hall was decorated with streamers of red, white and blue bunting. The table for the football team occupied the center of the hall. Over this was a long piece of maroon bunting with "1901" and "Team", in each side in white. Suspended from this was a college banner and below the banner a football decorated in maroon and white. From the top banner maroon and white streamers came down to each plate. At the further end of the hall was a stage erected for the band. This was decorated with bunting and potted plants while in the background was a large American flag. The menus were bound in illuminated covers making a handsome souvenir. The names of the football teams and officers was printed also the last season's schedule of games with the scores. At about half past eight prayer was offered by Dr. Walker and the banquet convened. Plates were set for one hundred and fifty. The undergraduates sat by classes. The band kept together while the alumni and faculty also had separate tables. Between the course there was singing of the popular and college songs by the student body and Dr. Wellington read some letters from absent alumni. Dr. Wellington filled the position of toast master admirably, entertaining those present with his good humor and interesting stories. At about eleven o'clock the following toasts were given: Capt. Paul, "Thir'd Down and Five to gain." He gave a review of the season, spoke words of praise for acting Capt. O'Hearn and the team, and also of the prospects for a good team next year. He ended by calling for the college yell for the team. V. A. Gates was the next speaker. "The Man at the Helm." He likened Capt. Paul to the captain of a ship. The next speaker was Dr. Paige, "The Doctor." He touched on the increasing popularity of athletics in the college and also emphasized the fact that it was the duty of every man in college to come out and support the team. P. W. Brooks, "What's Coming." He spoke on the prospects for another season and gave the schedule of games for next season. He recommended several improvements: namely the purchasing of a tackling dummy and the addition of lockers to the training quarters. He also made an appeal in behalf of those athletic men who were obliged to work their way

through college and thought there might be some way provided whereby they could procure work. Prof. H. Babson had for his subject "System." He said he thought we owed our success largely to the systematic work of the team and wished them success in years to come. Prof. W. P. Brooks in "Athletics the Sport not the Results," had his usual store of interesting stories. L. C. Clafin, "Massachusetts versus Pennsylvania," remarked that he felt proud to attend a college that could turn out such a good team. S. F. Howard's part was "What Might be Done." He spoke on what could be done to increase college spirit. He thought the fraternities might do more in the line of music and thereby increase college spirit and enthusiasm. C. P. Halligan, had "What must be Done." Captain Halligan spoke of the prospects for another season and urged upon the students, the fact that they should all strive to induce athletes to enter the college so that the team would not be so badly crippled after a hard game. The last toast was by Prof. R. E. Smith, "All's well that ends well." He said the end had not come yet and concluded by reading a letter from Coach Jennings in which he stated that he would coach the team next season. Upon receiving the news the student body went wild with excitement and gave the yell for Coach Jennings.

During the evening the Glee club and band rendered several selections. A call was made for Chef Reardon and he responded with a speech and thanked the fellows for their co-operation concluding by promising that he would do all that he could for the team in the future. Great praise is due Mr. Reardon for the way in which he catered. At about two o'clock the company disbanded.

M. A. C. ALUMNI ATHLETIC ASSOCIATION.

On January 9th, the subscribers to an agreement of association met at the office of H. M. McCloud in Amherst and organized. By-laws were read and adopted and the following officers were unanimously elected:

President, Prof. William P. Brooks.
Vice-President, Dr. James B. Paige.
Treasurer, Mr. Charles L. Flint.
Clerk, Mr. S. Francis Howard.
Directors, R. E. Smith, '94, Dr. G. E. Stone, '86, J. E. Deuel, '92.

The following portions of the by-laws will doubtless be of interest to the readers of the COLLEGE SIGNAL.

"This corporation shall be known as the 'M. A. C. Alumni Athletic Association.'" "The purpose for which this corporation is constituted shall be the advancement of athletics, the physical training and education of students at the Massachusetts Agricultural College, and to promote a closer fellowship among students and alumni."

"This corporation shall consist of all persons owning one or more shares of its capital stock" (which "is \$15,000 and the par value of its shares is ten dollars.")

"The shares in the capital stock of this corporation may be sold only to graduates of the Massachusetts Agricultural College and to former students whose classes have been graduated."

"The ownership of shares in this corporation shall not be transferable either by sale, inheritance, or gift save to such persons as are designated" (above).

"This corporation shall hold its annual meeting on the fourth Thursday in September of each year in the town of Amherst."

"The presence of at least seven members of the corporation representing not less than one hundred shares of its capital stock is required to constitute a quorum."

"All matters arising in any meeting," (except with reference to change of or addition to the by-laws which require a two-thirds vote) "shall be determined by a majority vote of the shares represented in said meeting."

CHEMICAL CLUB.

The last meeting of the Chemical Club was held Monday evening Jan. 27, in the chemical lecture room. The attendance was not quite up to the average, and certainly not as large as the excellence of the program deserved. It was voted to hold meetings in the future on alternate Monday evenings, and to change the time from 7.30 P. M. to 7.00 P. M. In the absence of the president and secretary, Prof. S. F. Howard presided and H. L. Knight acted as secretary *pro tem*.

The speaker of the evening was Mr. D. L. Cleaves, who spoke very entertainingly of the "Electrolysis of Brine," by the Carmichael cell. The process consists of passing an electric current through a saturated solu-

tion of sodium chloride, thereby decomposing it into metallic sodium and chlorine gas. The chlorine is drawn off and applied either directly for bleaching or mixed with lime to form bleaching powder and used in that form. The sodium immediately attacks the water in the solution, decomposing it into sodium hydroxide and hydrogen gas. These products would attack the chlorine and so neutralize the action of the current but for a porous diaphragm which separates the positive and negative electrodes, thereby preventing a mixture of the products. The caustic soda is obtained in dilute solution and is applied in paper manufacture. The hydrogen may be used for heating and lighting the laboratory connected with the works. The main product is the chlorine, the caustic soda and hydrogen being produced more cheaply in other ways, and therefore regarded as by-products. The manufacture of chloride by this means is said to be profitable.

The Carmichael process originated in England, and has not been very extensively used in this country. The chief works in America are located as adjuncts of paper mills in Lawrence, Mass., and at the Cumberland Mills in Maine. The plant is very expensive to equip, usually costing about \$100,000, and is profitable only where there is abundance of water-power to produce the electricity cheaply.

The thanks of the meeting were voted Mr. Cleaves for his interesting talk. A social hour followed. The next meeting will take place Monday evening, Feb. 7th, at 7 o'clock, when some instructive papers will be presented.

THE BOSTON ALUMNI MEETING.

Eighty alumni and former students were present at the annual banquet last Thursday evening in the Quincy House in Boston.

The officers of the M. A. C. A. C. M. had made an unusual effort not only to provide a tempting feast but they had put themselves to considerable pains and expense in urging the men of our college to attend. From six o'clock until twelve the program was entered into with as much enthusiasm as ever marked the progress of a college gathering.

After cordial greetings and a short business session the attractive menu containing several unusual delicacies was enjoyed. Through the generosity of Presi-

dent Bunker the rare treat of listening to the fine singing of Boston's Mendelssohn Quartette Club both during and after the feast was accorded the banqueters, and because of his untiring efforts, also, the faces and voices of many of the old boys rarely seen or heard on such occasions were there. The report of Mr. Davis, '89, the clerk, revealed the amount of labor and expense on the part of the officers which the securing of such a success means, and credit is also due to Mr. Mackintosh, '86, Treasurer, and the Directors, Messrs. May, '82, Flint, '87, and Cutler, '94. An ovation was given to President Goodell as he rose to greet the boys.

President Goodell began by saying that of the 1300 persons at the college since it started, he could tell where 1100 of them are to-day, and all of them are holding good and honorable positions. In speaking of the finances and needs of the college, he said that the institution needed professors of geology, of instruction in forestry and of landscape-gardening. In the bill they have again introduced into the Legislature this year, provisions are made that not only shall mines and mining be taught, but there shall also be taught forestry, agricultural engineering and irrigation, and roads and road-making. It also provides for the teaching of physics, mathematics and the higher mathematics. President Goodell said that a bill was also before the Legislature asking for a sum of \$50,000 to build and equip a first-class boarding-house. The sum of \$1000 is also asked for its maintenance. The present accommodations in this respect, he said, were not worthy of the state. This bill also asked for \$35,000 to establish and maintain a heating plant for those buildings west of the college.

Secretary Frank A. Hill performs a distinct and highly appreciated service to the State as well as to the M. A. C. by his frequent talks at these Boston alumni dinners. The fact often alluded to by Mr. Hill, that he represents a domain of educational work somewhat remote from the courses of applied science of M. A. C. students, in so far as it is a fact, enhances rather than diminishes the pleasure and importance of hearing him on these occasions. Last Thursday evening Mr. Hill spoke on some reforms in pedagogical practice brought about by recent psychological investigations.

Senator Morse in his usual happy manner, and

Judge Holmes, '72, with his rich and genial humor expounded the glories of agriculture from the farmer's and the layman's points of view. Mr. George H. Ellis, from the trustees' point of view, clearly and satisfactorily indicated to the alumni their function and their duty in the conduct of the college. Mr. Gideon H. Allen, '71, of the victorious Ingleside crew, whose shell now ornaments the Drill Hall at the college, was a welcome speaker after many years of absence. Professor Brocks spoke on the Athletic Field and Professor Maynard on the Horticultural Department.

Trustees Secretary J. W. Stockwell, Mr. N. I. Bowditch, and Mr. W. H. Bowker were present and letters of regret were read from Governor Crane, Dr. Goessmann, Dr. Lindsay, '83, Trustee William Wheeler, '71, Dr. J. E. Root, '75.

The following officers were elected for the coming year:

President, C. H. Preston, '83.

Treasurer, R. B. Mackintosh, '86.

Clerk, F. W. Davis, '89.

Directors, F. H. Fowler, '87, A. H. Kirkland, '94.

The alumni are much indebted to the president of the club, Dr. Madison Bunker, '75, of Newton, for his energy, skill and generosity which made this occasion a positive contribution to the growing power of the M. A. C. in the educational world.

HUNTING HORSES.

Under the interesting subject of "Hunting Horses," Prof. Loomis of Amherst College gave a very pleasing and instructive lecture before the Natural History club in the Chapel last Friday night. Prof. Loomis was fortunate in being a member of a party of three sent out last summer by the Metropolitan Museum of New York in search of fossil remains of pre-historic reptiles. The lecture was illustrated by a series of lantern slides of the country through which they passed, the camps, working grounds, and several showing the fossils imbedded in the rock and the development of the horse.

The party took the Black Hills as their starting point with Mr. Thompson as their guide. Their camping outfit was as meagre as possible; consisting of three horses and a wagon in which to carry their spoils, a cook stove, bedding, and two tents to be used only when camping in a place for several days.

For a short time they explored the Black Hills country but, being unsuccessful in finding reptile remains, they received orders to go southward in search of fossil remains of horses. Accordingly they packed and travelled thirty miles a day for several days across the plains to the White River Section. Here they were joined by Dr. Matthew who had gone on before them to look the country over.

This place was extremely favorable for their work on account of the vast rock surface exposed by erosion, nevertheless they were doomed to disappointment in finding but a few small scattered bones. They moved farther south. After traveling two or three days and becoming lost, they climbed a ridge beyond which they saw lying a country which would gladden the heart of any osteologist. With relieved minds they descended to this place. Here they were not disappointed. The country was badly eroded and thus large ledges of sandstone were exposed, while here and there a mesa rose. This exposure was the richest Prof. Loomis had ever had the fortune to strike. The bones were close together and often lying bare upon the rock surface. Remains of camels, no larger than a sheep and huge turtles were found; also an almost perfect skeleton of a horse was discovered in one ledge. This specimen had but four vertebrae and a few ribs missing.

As these fossils are always very brittle and will not sustain their own weight, they have to be cut out with much surrounding stone. To make transportation possible, they are then covered with a solution of gum arabic which afterwards hardens. The gum is then covered with tissue paper and the whole covered again with a jacket of plaster paris. When all becomes thoroughly hardened the specimen is placed in a box and is ready for the wagon or railroad as the case may be. The small remains, however, are wrapped with bandages of cloth saturated with flour paste.

Water holes are very good places to find fossil remains in as sick animals, coming thither in quest of water, often die. At one such place as this the party found enough bones of a rhinoceros to make a skeleton, also bones of primitive tapirs and long-necked camels, besides the remains of a turtle measuring six feet from front to back. In this spot they remained for three weeks.

Here the professor had a map of the world thrown

upon the screen, showing the continents as they must have been in pre-historic times. They were connected more or less, thus allowing the animals to rove from one place to another as conditions changed. This accounts for the fact that animals which were once native to this country are now found only in another.

Slides were now shown illustrating the development of the horse. While there were no native horses in this country at the time of its discovery, there is no doubt whatever but that North America is the ancestral home of the modern horse. Dr. Loomis showed how, from a small five-toed animal, no larger than a dog or cat, and feeding on succulent food, the horse had, as grass developed and the plains became hard, developed his teeth for eating grass and his legs for running. As the plains were large and hard, and the horse had no effective means of defense against such animals as the puma, it was only natural for him to seek his safety in flight. In order to run easily upon the hard plains he had to run on his toes, putting more weight upon the middle than upon the other four. Thus this middle toe-nail became much harder and better developed as time went on, while the others tended to dwindle in size through misuse. Today the horse has developed this nail into his hoof and but two processes appear as the remains of the two toes nearest the middle one, while the callous spots higher up on the leg are the remnants of the other two outside toes.

As the modern representatives of the horse family, Prof. Loomis showed slides of the wild ass and zebra of Africa, the wild horse of the Russian plains and the Arabian horse. This last is the very finest specimen of horse flesh now living and is noted the world over for its beauty and endurance.

E. A. B.

THE JUNIOR PROM.

Judging from the elaborate preparations which are being made, the 1903 Prom. to be held to-morrow bids fair to rank among the most successful in the history of the college. The committee has been hard at work and the decorations are said to be unusually elaborate. The preliminary concert will be given by Warner's Orchestral club of Northampton. The patronesses will be Mrs. H. H. Goodell, Mrs. G. F.

Mills, Mrs. Chas. Wellington, Mrs. John Anderson, Mrs. P. B. Hasbrouck, and Mrs. S. T. Maynard. The committee in charge consists of J. C. Hall, chairman, and Dr. J. B. Paige, Prof. P. B. Hasbrouck, C. M. Kinney, L. C. Claffin, C. I. Lewis, E. B. Snell, C. S. Tinkham, N. F. Monahan, and E. G. Proulx. The programme is as follows:

1. Waltz, Prom. Waltz.	Ellis
2. Two-Step, Peace Forever.	Lucelle
3. Waltz, The Smugglers of Badayez.	Mineonski
4. Two-Step, White Rats.	Pryor
5. Waltz, The Rounders.	Englander
6. Five-Step, Loving Hearts.	Warner
7. Two-Step, Florodora.	Stewart
8. Waltz, Plaster d'Amour.	Caryll
9. Two-Step, Fan Tan.	Anthony
10. Waltz, Prayer and Passion.	Grimm
11. Two-Step, Cuban Independence.	Heminger
12. Waltz, Florodora.	Stewart
13. Two-Step, Hottest Ever.	Brown
14. Waltz, Peggy.	McCline
15. Two-Step, Varsity Girl.	Ashton
16. Waltz, Jolly Friars.	Henry
17. Two-Step, Comedy King.	Hirat
18. Five-Step, Dancing With My Baby.	Anthony
19. Two-Step, Blaze Away.	Holzman
20. Waltz, Helmet of Navarre.	Hirat
21. Two-Step, Barbara Freitchie.	Bachmann
22. Waltz, An Autumn Bird.	Lesser
23. Two-Step, Looney Coons.	Hall
24. Waltz, Medley.	Warner

A full report of the Prom. will appear in the next issue of the SIGNAL.

College Notes.

—Junior Prom. to-morrow night.

—The mid-year exams. close to-day.

—See the account of the foot-ball banquet in this edition.

—There is a movement on foot to re-establish the Forensic club.

—A return game of basket-ball will be played with Amherst in Pratt gymnasium, Feb. 13th.

—Quite a number from here attended the dance given by Co. I. of Northampton last Friday evening.

—Capt. Anderson intends to take the Senior class on a trip to the Arsenal at Springfield early in February.

—All were much disappointed when Pres't Goodell did not attend the reception tendered the foot-ball team.

—The Freshman class are going to give the Juniors a complimentary banquet some time the last of February.

—Pres't and Mrs. Harris of Amherst College attended the basket-ball game between Amherst and Massachusetts.

—Jennings, who coached the football team the latter part of last season will coach the team the entire season next year.

—G. S. Ladd of Sturbridge, master of the State Grange and about twenty of his deputies visited the College last week.

—R. H. Robertson has resigned from the band and has been assigned to Co. A. He feels that he needs the physical exercise.

—The business manager of the COLLEGE SIGNAL has offered a prize of five dollars to the person who will compose the best acceptable college song.

—We are all very sorry to learn of the death of Mrs. W. E. Knight, on Jan. 22, mother of H. L. Knight, '02, editor-in-chief of the COLLEGE SIGNAL.

—The committee on agriculture of the Legislature recently visited the College to examine the needs of the College for a new boarding-house and central heating plant.

—Manager Brooks of the football team has nearly completed his schedule for the season of 1902. The schedule is a hard one. It will be published in a subsequent issue of the SIGNAL.

—The Chemical club held a very interesting session last week. Some very interesting papers were presented. The next meeting will be held Monday evening, Feb. 10th at 7:00 P. M.

The Junior class have elected officers for next semester as follows: Pres't, E. B. Snell; vice-pres't, S. C. Bacon; sec'y and treas., G. D. Jones; historian, N. F. Monahan; class captain, G. L. Barrus; serg't-at-Arms, W. W. Peebles; physician, Dr. H. C. Bowen; undertaker, H. J. Franklin.

—The College Senate have passed the following rules: No person will be allowed to wear his military uniform or any part of his uniform outside of the Col-

lege grounds, except when going to and from drill or when he is authorized to do so by the commandant; no person who has not received a certificate from the Athletic Association permitting him to wear an "M" shall do so under any condition.

Athletic Notes.

BASKETBALL.

AMHERST, 18; MASSACHUSETTS, 12.

On Jan. 18 the Amherst college basketball team defeated Massachusetts in the Drill Hall by a score of 18 to 12. A fair attendance was present from both colleges and enthusiasm ran high as the result of the game was in doubt until the latter part of second half when Wilson threw two goals in quick succession making the game sure.

The game was called at 7:30 and in a short time Hall scored an easy goal for Massachusetts but was soon followed by Wilson with a goal for Amherst. During the rest of the half the goals alternated and at the end the score was 10-9 in favor of Massachusetts.

In the second half Massachusetts seemed to weaken and the better physical condition of Amherst soon gave her the lead which she maintained throughout the game. For Amherst Wilson and Cleland played the best game and Hall and Dellea excelled for Massachusetts. Summary:

AMHERST.	MASSACHUSETTS.
Wilson, l. f.	r. g., Pierce
Anderson, r. f.	r. f., Dellea
Cleland, c.	c., Hall
Carnell, l. g.	l. f., McCobb
Crawford, r. g.	l. g., Fulton

Score—Amherst 18, Massachusetts 12. Goals from field—Wilson 4, Cleland, Anderson, Hall 2, Dellea. Goals from fouls—Dellea 3. Referee and Umpire—Belden, Massachusetts, and Fields, Amherst, alternated. Scorers—Maynard, Amherst, and Paul, Massachusetts. Time—20 minute halves.

MASSACHUSETTS, 42; LUDLOW, 15.

Massachusetts won her second game on Jan. 22, by defeating the Ludlow athletics in the Drill Hall by a score of 42-15. The team showed much improvement both in term work and in throwing goals. In the first half however the team played as if they were in a trance but during the intermission they woke up and started in the second half with new life and succeeded in throwing eleven goals.

For Ludlow Hyland and Elder played the best game and for Massachusetts Quigley and Dellea. Summary:

MASSACHUSETTS.	LUDLOW.
Dellea, r. f.	l. g., Ral Stuart
Quigley, l. f.	r. g., Ervine
Hall, c.	c., Elder
McCobb, r. g.	l. f., F. Flynn
Fulton, l. g.	r. f., Hyland

Score—Massachusetts 42, Ludlow 15. Goals from field—Dellea 2, Quigley 6, Hall 2, McCobb 2, Fulton, Ervine, Elder, Flynn, Hyland 2. Referee—Belden of Massachusetts. Umpire—J. Flynn. Scorer—Paul of Massachusetts.

CHICOPEE PARISH HOUSE, 40; MASSACHUSETTS, 20.

On Saturday evening Feb. 1, Massachusetts was defeated by the strong Parish House team by a score of 40 to 20. The team work of the Parish House was very good while that of our team was exceedingly poor. Owing to poor physical condition our men were simply outclassed by the Parish House team, though showing up fairly well in the second half. Hall played the best game for Massachusetts and Minle for Chicopee. Summary:

MASSACHUSETTS.	PARISH HOUSE.
Ahearn, l. f.	r. g., Wetsel
Dellea, r. f.	l. g., Perry
Hall, c.	c., Bixby
Fulton, l. g.	r. f., Beasley
McCobb, r. g.	l. f., Minle

MASSACHUSETTS, 26; HARTFORD Y. M. C. A., 17.

Massachusetts defeated Hartford Y. M. C. A. in the Drill Hall Jan. 30, by a score of 26 to 17. The general team work of Massachusetts was good and our men seemed in better condition than in previous games.

The game was to begin at 8 o'clock but owing to the tardiness of the Hartford players the game did not begin until nearly 9 o'clock but in the meantime the spectators were entertained by a variety of songs from the undergraduates.

Alumni.

To all Alumni and former students of the Massachusetts Agricultural College:

The first annual meeting at Hartford of Massachusetts Agricultural College alumni will be held at the Allen House, 152 Asylum St., Friday evening, February 21st, 1902, at 7-15 p. m. You are invited to be

present. President Goodell is expected. Please notify the secretary of your intention to be present as early as possible. Dinner \$3.00 per plate. Come.

H. D. HEMENWAY,
Temporary Secretary.

Hartford, Conn., Jan. 18, 1902, Box 965.

Ex-'72.—It is with exceeding pleasure that we note that among our alumni, one man in particular stands out as a versatile, prolific and highly successful writer. Frederick A. Ober is the author of a large number of works treating on various phases of life. He has become well-known as a naturalist, ethnologist, traveler and lecturer and this fact coupled with his pleasing style makes him a most interesting and entertaining author.

'88.—William Martin Shepardson was married to Olive Gertrude Hamlin, June 20th, 1901 at Plantsville, Conn., and is now living in Middlebury Conn.

'92.—Chas. S. Graham is situated as a poultry and milk farmer at Holden, Mass.

'94.—W. E. Sanderson is engaged in the seed department of J. A. Everett, seedsmen, 227 West Washington St., Indianapolis.

'01.—C. L. Rice is in the Students' course of the Western Electric Co., 343 West 15th St., N. Y.

'01.—P. C. Brooks is in charge of the Nitric and Muriatic acid departments of the General Chemical Co., Chicago, Ill.

Ex-'01.—F. E. Hemenway, who graduated from the College of Liberal Arts of Boston university last June is teaching at Catagan, Masbate Island in the Philippines. We take the following extract from a letter written by him to the Boston University Beacon:

"The natives as a whole are peaceful, but there are several Podcoats on the island (Masbate) who bother the inhabitants and incidentally "bolo" any one who gets in their way. But there is a constabulary police consisting of natives, headed by an American, who goes on a "bike" after them, and once in a while accidentally kills one. * * * However the people are very cordial, and we hope to make the place the Boston of the Orient.

'96.—Lucius J. Shepard, late instructor in the University of Maine, has been chosen Professor of Agriculture in Pennsylvania College.

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'95.—Fred C. Toby has left his position as teacher of science at Mt. Pleasant academy, N. Y. and has entered the employ of the West Stockbridge Lime Co., as superintendent. Address, West Stockbridge, Mass.

'96.—Mr. G. A. Billings recently delivered a very interesting address before the M. A. C. Chemical Club on "Modified Milk."

'96.—W. L. Pentecost is at present dairyman at the Katonale's Wood Farm, Katonah, N. Y.

'96.—Frank L. Clapp announces his marriage engagement to Miss Ruth Elizabeth Browne of Dorchester, Mass. Mr. Clapp is employed in the city engineer's office of Waterbury, Conn. Address 106 Johnson St., Waterbury, Conn.

'97.—Herbert J. Armstrong is in the office of the chief engineer of the Atkinson, Topeka and Santa Fé, R. R. Address 1602 Great Northern Building, 77 Jackson St., Chicago, Ill.

Ex-'00.—J. Alden Davis is employed on an extensive plantation at Ciega De Avilo, Cuba.

LIBRARY NOTES.

Physics of Agriculture by F. H. King, Madison, Wis. (Over six hundred pages and 275 figures, published by the author, price \$1.75). The introduction deals briefly with certain general physical principles, laws and factors, a knowledge of which is necessary to an understanding of their subsequent practical application. Other divisions are: Physics of the Soil; Ground Water; Wells, and Farm Drainage; Principles of Rural Architecture containing a chapter on warmth, light and ventilation; Farm Mechanics, including principles of draft, construction and maintenance of country roads, farm motors, farm machinery; and Principles of Weather Forecasting.

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DAVID L. S. WAREHAM, PROPRIETOR.

Editorials.

By one of those strange accidents of mistaken identity or something of the sort, an erroneous statement appeared in the editorial column of the last issue of the SIGNAL as to the donor to the college of the large flag. To Mr. R. W. Stratton of Amherst, rather than to Mr. T. W. Harrington as was printed, the thanks of the college for the gift and the apologies of the SIGNAL for the error are alike due.

UNDER the rules governing competition to the COLLEGE SIGNAL board no student will be considered eligible who has not handed in some article prior to March 1. This date is now close at hand and we desire to remind would-be-contestants that something must be done at once. Thus far the competition has been decidedly disappointing, especially that from members of the Sophomore class, where to date but one candidate has appeared for the two vacancies. The charge is frequently made that the best men in college are not always on the SIGNAL board and in

some instances this is doubtless true. Yet whose is the blame? The electing committee must select men from those who have competed. Let the best men compete, and there will be no question but that full justice will be done.

A GREAT deal of complaint has arisen among the residents of South Dormitory because of the recent change from the burning of hard to soft coal in the boiler of the building. As is well-known bituminous coal gives off in combustion an immense amount of soot, and unless special pains are taken to see that this soot is completely burned or deposited in some way, the "smoke evil" becomes a very real one. The perfect cloud of dust and cinders which fills the air around the entire building has been compared to the famous destruction of Pompeii and Herculaneum by Vesuvius, and while this may be putting it rather strongly, there can be no doubt that the matter needs the attention of the college authorities at once. It may be a good standing illustration of the advantage of a central heating station; but from the standpoint

of either sanitation or comfort it is little less than a public nuisance.

For the committee which took charge of the recent Junior Prom and carried it through in the face of serious and unexpected difficulties, the SIGNAL has only words of praise. Men with less courage or with less of true college loyalty would have abandoned the project many times to its fate, and we should have had to endure the disgrace of being unable to support a single formal affair in an entire season. Socially, the Junior Prom was a decided success. That it was not a success in other ways was in no way the fault of the committee, or of those who attended. The financial deficit was so far as we are concerned of little consequence; what we do object in the Prom, however, was that it did not represent the college, the Junior class, or in fact anything but itself. With less than twenty per cent of the entire student body in attendance, no gathering can be called a truly college affair; and unless these Proms are bona fide college affairs, they must inevitably fail of the highest success. For a number of years, every Prom has failed in this very point. This has been realized, but how to remedy it has been the problem. The small attendance seems to be due three causes: first, an indifference on the part of the students to social affairs of any kind; second, many students who would like to attend feel that they cannot afford to spend so much for a single evening's pleasure; and third, many object to the extreme formality of the occasion. The first of these causes is not creditable. It ought to be removed root and branch, for the social side of college training cannot safely be neglected. Thanks to the work of the ladies of the Faculty, this spirit is not so prevalent as formerly, though much remains to be desired. The plan to hold a series of informal dances at the college in the near future is a most excellent movement to this end. The question of expense is more serious, and a legitimate source of trouble. Yet it stands to reason that it is not likely to be any less with a constantly decreasing attendance. The only feasible method of reducing it would seem to be to increase the number of participants. The third objection is chiefly one of sentiment, and still not altogether without reason. We are inclined to think that it would be found advantageous in the end to establish a Military

Prom rather than the usual affair. In the present state of many of the uniforms this probably would not be desirable; but by the addition of a dress coat to the uniform there could be no objection on the ground of appearance. A Military Prom would better harmonize with the present style of decorations, and we have every facility for making it a success. It would be a distinctive affair, something which could not easily be imitated by our rivals, and still something in exactly as good taste. And it might be a means of persuading many to attend who otherwise would not go. The cost of the military dress coat is of course a feature to be taken into consideration; but would not the extra expense be justified by the improved appearance of the battalion on other occasions? In view of the increasing lack of interest in the present system of conducting the Prom we wish it were possible to give a Military ball a fair trial.

It is no easy matter to express oneself clearly and fully in a single article. Realizing this fact, we made no attempt in our editorial on the use of the term "Mass. State College." In the last issue to exhaust the subject, but simply intended to bring it up for discussion. Several points in connection with it need further elaboration and of these we propose to speak. In the first place, it will be of value to ascertain the motives of those of the students who are using the term at the present time. Roughly speaking they may be divided into two classes. The first class is made up of those who would not only like to drop the word "Agricultural" from the official title but who would like to tear out, root and branch, every agricultural feature of the curriculum. In their frantic fear that someone will possibly look on them as "hayseeds" they cannot bear to use the word "agricultural" in any connection, and scarcely to have it mentioned in their presence. Of this class it is unnecessary to speak at length. Men so completely out of sympathy with the college are most certainly out of place. They have no more reason to criticize the policy of the institution than would a student to enter, let us say, the Hartford Theological seminary, and then bitterly complain because it was not immediately converted into a Dental school. Fortunately they are in the minority and may be disregarded. The second class of students is composed of men fully in sympathy with

agriculture or some allied branch, but who agree with Senator Morrill in hoping that neither "farmers nor mechanics would be so illiberal as to wish to have a monopoly of education in any of the land-grant colleges." They think that the scope of the institution might well be extended and desire that the name of the college be changed for this purpose. As a means of bringing about the change, they advocate the use by the students of the words "Mass. State College." In the hope that public sentiment will gradually become strong enough to force an adoption of this name. It was undoubtedly this motive which prompted the class of 1901 to carry on their commencement exercises as they did and which is probably responsible for most of the use of the term at present.

However laudable the intentions of this class, we must beg to differ with them as to the wisdom of the means they have chosen. We object on two grounds, those of expediency and those of principle. They may indeed fancy that they are acting in loyalty to the best interests of the college; practically they are working destructively against it. Thus, anarchists may consider that they are doing society a service in seeking to overthrow all government; but it is questionable whether they are any real help in correcting abuses at present. They are not permitted to carry their views into effect but must respect the existing government. Similarly, the students of a college should respect the name of their Alma Mater, *ex officio* as it were. If the trustees see fit to make alterations, well and good; but until they do we must make the best of it. But even if we were to forego the question of right, that of expediency would still remain. Does the use of this term actually bring a change any nearer? We fail to see that it does. We can call the Skunk's Cabbage a Rhododendron, but its odor will not be changed very materially and we would find it hard to sell it for other than what it is. In the same way, the great mass of people will not call the Agricultural College the "Mass. State College" to any great extent. We have had a practical illustration of that. Our athletic managers have been printing their paper under that name for the last three years or so and never referring to the college as anything else. But when the schedules of other teams were published we were always down as the "Amherst Aggies." It might be very convenient if we could

dispose of the "Agricultural" by simply ignoring it, but it is too big a proposition to be got rid of so easily. We can undoubtedly create a sensation, cause considerable bitterness, and lay ourselves open to the charge of being ashamed of the college by just this means; but how all this is to effect a revolution in either the board of trustees or the legislature is not quite so clear. If the students consider they have a grievance let them state it, frankly and fully in the proper way, to the proper parties, at the proper time.

What we would criticize above all however is the use of the term in such places as the athletic manager's stationery, the posters for games, college programs and similar public affairs. The wearing of "M. S. C." pins and the use of "M. S. C." banners and so on by individual students may indeed be deplored; but these are personal matters in which there can be no authority save that of the individual concerned. The various managers on the other hand represent not themselves but the college, and we regret exceedingly any movement which can perpetuate a misleading nickname in a place where the official title ought to be used. As we said before, we cannot understand why its use is permitted for a single instant by either the Faculty or the Athletic committee. Their passive attitude may however be due to one of three causes. It may be that they believe that their opinions in favor of the official title are so well known as to render action unnecessary; but if that is so, they should be undecieved at once. Rightly or wrongly, their silence is construed to-day by the student body as the silence of secret approval, and until they make their position clear the present state of affairs will continue. Or second, it may be that they regard the matter as unimportant. This it may be, but such is not the opinion of many of our strongest alumni, nor indeed we judge of some of the leading men of the board of trustees. And third, it may be that the Faculty regard the movement as one which has already reached its height and will soon decline of itself. This too, is possible; yet we have still to hear of anything which would indicate it. The use of the "M. A. C." on the Junior Prom. programs is no sign, for it was due to the beliefs of the individuals who had the printing in charge in the face of adverse college sentiment. Neither is the recent decision of the Senior class to include the official

name on every program any indication, for the vote was a very close one, and the class of 1902 one that has ever been noted for conservatism. Six months ago the point would not even have been raised for discussion in its meetings. In any other class in college such a measure probably would not receive twenty percent of the vote. If our professors are in any doubt as to the use of the term let them call in the notebooks of their classes and find how many bear the initials "M. A. C." and they will be enlightened very speedily.

With this, the SIGNAL proposes to leave the question for the present. It is a subject which the Faculty and the Faculty alone can deal with effectively. We have brought up the topic for discussion, and with that our power and our duty ends. So far we have received nothing but criticism as a reward, and as we are under no obligations to beat our heads against the stones of public opinion continually, unless some new aspect of the case presents itself we shall probably not refer to the matter again.

THE JUNIOR PROM.

The most important social event of our winter season occurred February sixth in the Drill Hall under most favorable circumstances. The usual blizzard was quite omitted and without exception things passed off smoothly and enjoyably. The Junior Prom. is rapidly becoming a well established annual event in place of the military function, which in the time of dress uniforms was so well patronized. However successful this Prom. was socially, we can, but say how much, in need the committee always is of more general support in the way of attendance and thereby financial assistance. This year the number diminished from sixty to forty couples. With the money from this number of tickets, suitable music cannot be procured.

The scheme of decorations was much the same as usual in that the colors and designs were chiefly military. As at last year's Prom. the cannon and sabers were used to good effect. Streamers of bunting were run from the center of the hall to the corners and sides, two muskets being used at the middle for support. Along each of the cross-beams was hung the tri-color bunting which greatly aided in covering the bare woodwork near the roof. Over eighteen hundred

yards of bunting was used in all. Sabres were fastened to the walls in one place as an outspread fan and again as a circle. The lighting although somewhat glaring was much better than before at such occasions. Four arc-lights were placed at good points in the middle line of the hall, one being directly in the centre. Also a very pretty transparency of 1903 was placed on the west wall. The plant-house supplied many loads of beautiful potted palms and flowering plants which were grouped about the stage, in the cozy nooks and the patronesses, seats. The hall was well furnished with easy chairs and carpeted about the edges with many rugs. Much green from the woods was used in banking backgrounds. Various college banners and trophies were hung in effective positions and added materially to the variety of decoration. The comfort of everyone was secured against our usual winter occurrences by the change from hot water as a means of heat, to steam. The pipes were also covered with aluminum paint and were thus allowed to give off their full heat and become much more sightly than they were formerly. The large net used for base-ball practice was very prettily draped over the front of the stage with bows of red bunting. On the net, was worked in large characters of laurel the number "1903," either side of which was the letter "M" in the same. This was the newest and one of the most attractive features of the decorations.

The patronesses, Mrs. H. H. Goodell, Mrs. S. T. Maynard, Mrs. John Anderson, Mrs. Charles Wellington and Mrs. P. B. Hasbrouck received under the gallery at the south end of the hall. Warner's Orchestral club of Northampton gave a preliminary concert and furnished music for the dancing. The dance orders, furnished by Elliott of Philadelphia were simple but neat in design. The covers were of white material bearing the words "03" above in gilt on a band of maroon, and in the lower corner in gilt letters "M. A. C." Reardon of Amherst catered.

At 9 o'clock Chairman John C. Hall of the Prom committee opened the ball with his partner, Miss Viva C. Rose of Washington, D. C., and dancing continued, the program of twenty-four numbers being followed as printed in the last issue of the SIGNAL.

The committee in charge consisted of John C. Hall, chairman and Prof. P. B. Hasbrouck, Dr. J. B. Paige, Charles M. Kinney, Claude I. Lewis, Leander

C. Claflin, Edward B. Snell, Charles S. Tinkham, Nell F. Monahan, and Edward G. Proulx. Much credit is due them for their success under unusual difficulties. In spite of their precautions a slight deficit is reported, due to the small attendance which ought to very easily be met. The thanks of the college is also due those students and friends who contributed to the decorations.

Among those present were the following: President and Mrs. H. H. Goodell, Mrs. S. T. Maynard, Dr. and Mrs. Charles Wellington, Dr. and Mrs. J. B. Paige, Prof. and Mrs. J. E. Ostrander, Captain and Mrs. John Anderson, Prof. and Mrs. Herman Babson, Prof. and Mrs. P. B. Hasbrouck, Prof. S. F. Howard and Miss Trotter, all of Amherst; Dr. Eugene H. Lehnert, '93, Professor of Veterinary Science in the Conn. Agricultural college and Miss Bartlett of Clinton; James W. Kellogg, '00 and Miss Ethel Gilbert, Amherst; Edward K. Atkins, '00 and Miss Myra Hobart, North Amherst; George C. Hubbard, '99 and Miss Puffer, North Amherst; Phillip H. Smith, '97, and Miss Edith Stevens, Amherst; James E. Halligan, '00, and Miss Barber of Boston; Mr. and Mrs. J. M. Ovale of Amherst; E. W. Fisher and Miss Ruder of Northampton; E. L. Kellogg of Amherst and Miss Hawkins of Northampton; Mr. and Mrs. Nash of Amherst; Leander C. Claflin and Miss Harriet Butler of Northampton; Lyman A. Cook and Miss Bertha Starkweather, Danielsonville, Conn.; Victor A. Gates and Miss Beatrice Martz, San Antonio, Tex.; John C. Hall and Miss Viva Rose, Washington, D. C.; Charles M. Kinney and Miss Nan Butler, Northampton; Claude I. Lewis and Miss Edna Goodnow, Amherst; Ransom W. Morse and Miss Grace Woolsey, New Peltz, N. Y.; William E. Allen and Miss Morse, Boston; George L. Barrus and Miss Louisa Tinkham, Roxbury; Phillip W. Brooks and Miss Edith Brooks, Cambridge; Neil F. Monahan and Miss Monahan, Boston; Edward G. Proulx and Miss Lillian Proulx, Smith College; Edward B. Snell and Miss Cora Clark, Chelsea; Charles S. Tinkham and Miss Kate Hutchins, Roxbury; George E. O'Hearn and Miss May McDermott, Providence, R. I.; Raymond E. Huntington and Miss Clark, Smith College; Allen W. Swain and Miss Dodge, Smith College; Dr. and Mrs. Dickinson of Amherst; Mrs. and Miss Goessmann of Amherst; Dr. and Mrs. Stowell of North Amherst; Mr. and Mrs.

Kinney of Northampton; Mr. and Mrs. Barry of Amherst; Miss Stratton of Amherst; Miss Hubbard of Sunderland.

FINANCIAL STATEMENT OF PROM. COM.

EXPENSES.	
Orchestra.	\$80.00
Catering.	35.00
Printing.	38.50
Incidentals.	3.00
	<hr/> \$156.50
RECEIPTS.	
Tickets sold including balcony.	\$118.00
Programs sold.	18.00
	<hr/> \$136.00
Deficiency.	\$20.50

It was voted at a meeting of committee to make up deficiency by contributions

CONTRIBUTIONS TO DATE.	
President Goodell.	\$5.00
COLLEGE SIGNAL.	5.00
J. C. Hall.	2.00
	<hr/> \$12.00
Deficiency to date.	\$8.50

NOTICE.

The sum of fifteen dollars (\$15) has been given to the music committee (of the Senate), to be used by them with the following provisos:

- The sum of ten dollars (\$10) shall be given as a prize to the author of the best college song (words).
- The sum of five dollars (\$5) shall be given as a prize to the author of the second best college song (words).
- The above songs shall reach a given standard as required by the Judges.
- The Judges shall have the power to reject any and all written contributions if not of a satisfactory quality.
- Contributions handed in after March 15, 1902 shall not be considered in awarding the prize.

R. W. MORSE, }
D. W. WEST, } Committee.
F. D. COUDEN, }

N. B. Anyone whether a member of the college or not may compete for the prize.

SENIOR SPRINGFIELD TRIP.

On Friday, Feb. 21, the Senior class, accompanied Capt. Anderson to Springfield where a visit was made to the arsenal.

The grounds are very extensive and have a commanding position on a hill well above the city. They contain the commandant's house, the barracks, arsenal and work shops. The first place visited was the museum. Here we could see at a glance the whole history and development of the Springfield rifle, as specimens of each pattern have been preserved. There were countless numbers of old muzzle-loaders, but much to our surprise, we learned that the first rifles were breech-loaders, but that was before the days of the metallic cartridge so that the rifles proved at that time useless. Coats of mail and suits of armor such as were worn in the first part of the seventeenth century, were on exhibition. One of the most interesting sections contained relics brought from China during the late war there. These contained a variety of rifles and cannon and were very unwieldy weapons. Some had barrels ten or fifteen feet long and weighed from twenty-five to seventy-five pounds. There was also a large collection of Japanese instruments of war and a collection of European lances such as are used to-day. On one side was an interesting section consisting of relics picked up on the battle-fields of the Civil War. These were bent in various ways or were burst open by bullets. The Major explained to us the mechanism and operation of the Gatling and Colt's rapid firing guns and also of the Mauser and Krag Jorgensen rifles. Several specimens of the former were shown, which were captured in the Spanish War.

We next visited the work shops. The first room was the carpenter shop, here the stalks were sawed the required lengths, turned in lathes and polished. From here we went to the filling room where we found a small army of men, each one working on some one part of the rifle. We then passed on to the polishing room, where by means of emery wheels the metal was highly polished. Below we entered the hardening room, where we were nearly stifled at first by the fumes of burning oil. Here the steel is placed in ovens and heated to a very high temperature for several hours. Great skill is required to do this work properly. By plunging in oil the steel is hardened, and also receives its characteristic color, as seen in the,

finished product. Afterward we visited the printing, inspecting, and engine rooms. On the whole the trip proved both interesting and instructive.

GROWTH OF COLLEGES.

The following table of statistics published in the *Wesleyan Argus* throws an interesting light on the growth of eastern colleges during the last debate, from which period it was compiled.

	SMALL COLLEGES.	
	Increase.	p. c. Increase
Dartmouth.	430	168
Brown,	496	152
Tufts.	182	151
Syracuse.	389	115
Dickinson.	146	106
Bates,	142	94
Boston Univ.,	199	61
Wesleyan Univ.,	80	34
Williams,	95	30
Mass. Agricultural,	37	26
Amherst,	58	17
Trinity,	—13	—9
	LARGE COLLEGES.	
	Increase.	p. c. Increase
Columbia,	733	201
Yale,	968	116
Univ. of Penn.,	543	115
Harvard,	1160	86
Princeton,	500	59

These figures show an average increase in the 12 small colleges of 83 per cent, and in the five large colleges of 127 per cent; and in all institutions which have fallen below the average, especially those which have fallen decidedly below, inquiry may very justly be made as to the reason.

It can be further noted as an interesting fact that three of the colleges,—Trinity, Amherst and Wesleyan, which are among those showing the least increase in attendance, are colleges which have the greatest per capita endowment.—*Tufts Weekly*.

FRATERNITY CONFERENCE.

An important meeting of the Fraternity Conference was held Tuesday evening, February 11. Those present were: Dr. Wellington, E. B. Saunders '02 and C. A. Tinker '04 from the D. G. K.; R. W. Morse '02

and H. J. Franklin '03 from the Q. T. V.; V. A. Gates '02 and E. G. Proulx '03 of the Phi Sigma Kappa; and H. L. Knight '02 and N. F. Monahan '03 of the College Shakespearean Club. The Conference voted to give its full support to the ladies of the Faculty in their social enterprises. A committee consisting of C. A. Tinker, P. W. Brooks, W. E. Allen and S. L. Smith was subsequently appointed to cooperate with the ladies in their social gathering of Feb. 28.

The matter of selecting a uniform night for the meetings of the several fraternities was brought up and discussed in detail. The chief argument in its favor was that by establishing a single Fraternity night conflicts with other college gatherings would be avoided and better attendance secured. The Conference voted to recommend that Monday night be adopted by the fraternities.

The Conference expressed itself as decidedly in favor of the plan to carry on a series of informal dances in the Drill Hall during the winter and spring. C. I. Lewis was chosen as chairman of a committee to arrange these dances, with full power to appoint his committee and take complete charge.

The problem of how to increase the amount of college singing was discussed at great length. R. W. Morse, C. A. Tinker, N. F. Monahan and V. A. Gates were appointed a committee to ascertain the cost and general desirability of printing a new song sheet, similar in style to that gotten out some years ago but thoroughly revised and brought up to date. H. L. Knight, H. J. Franklin and E. G. Proulx were chosen as a committee to petition the Faculty for a few minutes after chapel each week to practice college songs. The question of appointing leaders was discussed but not definitely decided. The Conference then adjourned.

Observations & Conclusions

I have always observed that on introducing himself to those, be they few or many, who are expected to read his effusions, the new writer is accustomed to say a few words about himself as a sort of preface. Washington Irving only followed the example of his predecessors in the literary field when he put "The Author's Account of Himself" at the beginning of his "Sketch Book," and a work of almost any sort at the present day, is thought by many to be incomplete

without some reference to the life of the author. It is a curious fact too, that the more mediocre the writer, the more space he devotes to his own history, and that of his ancestors. I see no reason therefore why, in introducing a new column into a periodical, even a college paper of this sort, the writer should not be allowed—nay, even expected—to devote the first few of his papers to his own life, habits, family, and—as he is but a beginner, and no one knows how mediocre his work is going to become—why he should not include also some accounts of his friends.

On consultation with the editor-in-chief, however, I find that for some reason or other, probably jealousy, he refuses to give the observer the space necessary to carry on such a project. Some of his reasons for this refusal are so puny, that I can not refrain from noting at least two of them.

The first amounts to nothing more than the fear that the readers of a college publication would not feel interested in such a subject. As the purpose of these writings is simply to fill up space and to keep the business manager from "hogging" everything with his advertisements, I can see no good cause for withholding it on that account. The second objection is even more easily refuted. It is in substance that no author or literary man with any knowledge of the proprieties ever writes his preface until the work is completed; but it is obvious that my history must consist in most part of that of my ancestors, the majority of whom have completed their lives long ago, and so I do not see that I can write the story any better a few years hence than at present.

However, thus the matter stands and if a sufficient number of my readers are so disappointed as to feel like withdrawing their respective subscriptions on account of missing what I confess, I did all but promise at the beginning of this writing, I can only make amends by agreeing to fulfill the "all but promise" in a separate pamphlet. This I will gladly do on receipt of an amount sufficient to defray the cost of printing and binding the said pamphlet. No subscriptions refunded.

The matter discussed in this column is not intended to relate to anything in particular, nor a great deal in general, but it should be well understood that the editor would gladly receive observations from any source,

from which he could draw or fail to draw his conclusions. He would however, give the warning, that it is his habit to take the opposite side on any question that may be presented to his notice, and as he may be compelled, for the sake of making clear his own sentiments, to publish parts or all of any letters received by him, correspondents should be careful to write nothing which they do not care to see in print.

COLLEGE CALENDAR.

In response to many requests we venture to try the experiment of printing in each issue a calendar of the scheduled College events of the next two weeks. As the period between issues is so long, it is evident that many shifts of date are liable to take place. If secretaries and managers will take pains, however, to notify us promptly we will do what we can to make the list complete and as free from errors as possible. The calendar for the next two weeks is as follows:

- WEDNESDAY, Feb. 26, 4-30 P. M. Basketball, Massachusetts vs. Amherst at Pratt Gymnasium.
- THURSDAY, Feb. 27. Dairy convention in the Stone Chapel.
- FRIDAY, Feb. 28 at 8-00 P. M. Reception and social in the Stone Chapel by the ladies of the faculty.
- Feb. 29th, at any old time, the 1903 *Index* will be placed on sale.
- SATURDAY, March 1st, at 6-00 P. M. the preliminary competition closes for the *College Signal*.
- TUESDAY, March 4th. Basketball, Massachusetts vs. Brown at Providence.
- WEDNESDAY, March 5th. Basketball, Massachusetts vs. Fall River Y. M. C. A. at Fall River.

College Notes.

- The Junior Prom. was held Feb. 6.
- Pierce and Ellsworth 1904 have left college.
- The Freshmen have begun base-ball practice.
- Holcomb '05 spent Sunday at his home in Connecticut.
- C. E. Brett 1905 has joined the Phi Sigma Kappa fraternity.
- The College Shakespearean Club has had a pool table placed in its rooms.

—Privates W. J. O'Neil and P. F. Staples have been transferred to the band.

—Belden '02 and Coodenough '05 attended the Glee Club concert at Mount Holyoke Saturday.

—President Goodell attended the Banquet of the Connecticut Alumni at Hartford, Friday evening.

—The Sophomore class are now using Prof. Brook's new publication on "Soils and Soil Management."

—Clafin '02 spent several days last week in Boston and attended the Glee Club concert at Wellesley on Saturday.

The "Sagamore Seven" have given up their house on Pleasant Street and have taken rooms in the college dormitories.

—Another beginner's dancing class will soon be formed. Those wishing to join should give their names to C. I. Lewis '05.

—The ladies of the Faculty will hold a social in the chapel Friday evening Feb. 28. All members of the college are invited.

—Individuals of the senior class in pathology under Dr. Paige are delivering a series of lectures on the subject of digestion.

—Every student should make a special effort to attend the basket-ball game with Amherst at 4-30 o'clock this afternoon.

—C. I. Lewis has appointed his committee on Informal dances as follows: G. L. Barrus, C. E. Dwyer, W. E. Allen and M. H. West.

—An elaborate music program is being arranged for the reception to be given by the ladies of the faculty in the Chapel on Friday night.

—The ladies of the faculty have placed an excellent piano in the Chapel for the reception on the 28th. It will remain for the rest of the year.

—President H. H. Goodell delivered an address Saturday afternoon before the Woman's Club of Sunderland on "The Writers of Amherst."

—Chef Reardon is hard at work on a new songbook "Songs of the Massachusetts Agricultural College." We understand he has nearly enough material on hand already.

—A dairy convention will be held in the Chapel Thursday. Among the speakers will be George M. Whitaker, editor of the *New England Farmer*, and Prof. F. S. Cooley.

Athletic Notes.

BASKET-BALL.

MASSACHUSETTS, 16; TRINITY, 14.

—A series of informal dances will be held in the Drill Hall during the remainder of the season under the direction of the Fraternity conference. C. I. Lewis is chairman of the committee which has the matter in charge.

—At a meeting held Feb. 4, the M. A. C. Boarding club elected officers as follows: First director and manager, E. B. Snell; secretary and treasurer, C. P. Halligan; directors, H. A. Paul, V. A. Gates, L. A. Cook, P. F. Staples, A. W. Gilbert and J. J. Gardner.

The Alumni Athletic Association is endeavoring to obtain the field just north of the Experiment Station for an athletic field. This is the best field attainable and is in an ideal location being near the college and on the line of the Amherst & Sunderland Street Railroad.

—The complimentary banquet of 1905 to 1903 was held Friday evening at the United States Hotel in Boston. Every member of the class was present. R. H. Robertson presided. P. W. Brooks acted as toastmaster and the following responded: E. B. Snell, S. C. Bacon, N. F. Monahan, C. P. Halligan, W. E. Allen, G. L. Barrus, M. H. West, G. D. Jones, H. J. Franklin and W. W. Peebles. The complete report was received too late for publication, but will appear in the next issue.

—At a meeting of the Senior Class last Wednesday evening these officers were elected: President, R. W. Morse; vice-president, J. M. Dellea; secretary and treasurer, L. A. Cook; sergeant-at-arms, E. F. McCobb. J. L. Lovell of Amherst was chosen photographer on recommendation of the committee, C. M. Kinney, C. E. Dwyer and R. W. Morse. The following committees were appointed by the chair: Insignia, R. W. Morse, H. L. Knight and J. H. Belden; class bed, A. L. Dacy, J. M. Dellea, C. E. Dwyer, H. E. Hodgkiss, C. I. Lewis, H. A. Paul and D. N. West; senior Prom., J. C. Hall, chairman, J. H. Belden, V. A. Gates, C. I. Lewis, H. E. Hodgkiss, L. C. Clafin, H. L. Knight. A general committee consisting of A. L. Dacy chairman, J. C. Hall, H. L. Knight, H. A. Paul and O. F. Cooley was chosen to nominate and take charge of other committees. It was voted to use the letter "M" where initials were to be used in the Commencement exercises but to use the official title "Massachusetts Agricultural College" at least once on each program and wherever the whole name was used.

Massachusetts won from Trinity in the Drill Hall, February 20, in a rather loosely played game. The passing of Massachusetts was good in the first half and the ball was in the hands of the home team most of the time. The half ended with the score 9-1 in Massachusetts' favor. The second half was very poorly played and the two regular players who replaced the substitutes who were in the game the first half did not seem to put the new life in the team that they were expected to do. Massachusetts took the cue from Trinity's game in the first half and both teams "roughed it" toward the end of the game. A rather uninteresting game was made exciting when with the score 14-13 in favor of the visitors, and with but twenty seconds of play, Hall threw the last goal and saved the game for the home team. The attendance was rather small. The band gave a short concert during the game. The team plays Amherst at Pratt Gymnasium this afternoon at 4-30 o'clock. The score:

MASSACHUSETTS.	TRINITY.
Ahearn, i. f.	r. g., Henderson
Dellea, r. f.	l. g., Van Weelden
Cook-Hall, c.	c., Crane
McCobb, r. g.	l. f., Howe
Whittaker-Quigley, l. g.	r. f., Duffee

Score—Massachusetts, 16; Trinity, 14; Goals from field—McCobb 2, Duffee 2, Dellea, Hall, Quigley, Crane, Van Weelden. Goals from fouls—Henderson 2, Dellea. Referee and Umpire—Belden and Larcher alternated. Time-keeper—Bodfish. Time two 20 minute halves.

CLASS BASKET-BALL.

SOPHOMORES, 28; FRESHMEN, 8.

The annual Sophomore-Freshman basket-ball game took place Friday evening, Feb. 7th in the Drill Hall. The whole college was well represented and enthusiasm ran high.

As an exhibition of basket-ball the game was not a success. Neither side was up to its usual standard, and the Freshmen were a particular disappointment. Owing to a misunderstanding as to the date of the game, two of the Sophomore's regular men were out of town, and for a team of substitutes '04 did fairly well. '05 however which under the circumstances had been picked as an easy winner shewed over confidence and lack of team work. Though the ball was in their pos-

session most of the time, the forwards could not locate the baskets and failed time and again on easy chances. The game was as usual very rough and the number of fouls called gives no idea of the number committed, the teams being about equal in this respect.

The game began at 8-30 and in less than a minute Whitaker threw an easy goal. Things looked dubious for the Sophomores but five minutes later Fulton tied the score. Quigley made it 6 to 3 for the Sophomores and there was no further score during the first half.

Both teams started off the second half with a rush, but the superior staying power of the Sophomores soon placed them in the lead. The Freshmen made but 5 points to 22 for the Sophomores. In the last few minutes of play the Freshmen were hopelessly outclassed.

For '04, the all-round work of Captain Fulton told from start to finish. Quigley played brilliantly at times, throwing five goals but was very erratic. Peck, Gregg and Griffin played a good defensive game. For '05, the hard, fast playing of Captain Hunt was the feature. The score:

1904.		1905.
Peck, l.	r. f., Whitaker.	
Gregg, r. g.	l. f., Taylor.	
Fulton, c. (Capt.)	c., Ladd.	
Griffin, r., f.	l. g., Merrill.	
Quigley, l., f.	r. g., Hunt (Capt.)	

Score—Sophomores, 28; Freshmen, 8; Goals from field—Whitaker, Taylor, Fulton 3, Griffin, Quigley 5. Goals from fouls—Whitaker 2, Fulton. Referee—Dellea '02. Umpire—J. C. Cook '03. Timer—H. L. Bodfish '02. Time—20 minute halves.

Alumni.

A full report of the Connecticut Alumni Banquet, will appear in the next issue.

'83.—Dr. Homer J. Wheeler, chemist in the Rhode Island Experiment station was in town recently.

NINETY-THREE.

Joseph Baker, Farmer, Riverside farm, New Boston, Conn.

Fred G. Bartlett, sup't of cemetery, Cor. Cabot and Sycamore Sts., Holyoke, Mass.

Henry D. Clark, veterinary surgeon, 15 Central St. Fitchburg, Mass.

George F. Curley, physician and surgeon, 10 Congress St., Milford, Mass.

Herbert C. Davis, railway postal clerk, 10 Highland Ave., Atlanta, Ga.

Chas. A. Goodrich, physician and surgeon, 5 Haynes St., Hartford, Conn.

Francis T. Harlow, farmer, Marshfield, Mass.

Harry J. Harlow, farmer, Shrewsbury, Mass.

Ernest A. Hawkes, evangelist, 4th and Broad Sts., Richmond, Va.

Frank H. Henderson, civil engineer, 43 Ashland St., Malden, Mass.

Edwin C. Howard, principal centre grammar school, 55 Kensington Ave., Northampton, Mass.

Franklin S. Hoyt, assistant superintendent of grammar schools, No. 17, The Delaware, Indianapolis, Ind.

Eugene H. Lennert, professor Veterinary science and physiology, Conn. Agricultural College, Storrs, Conn.

A. Edward Melendy, clerk and wire tester, 117 W. Boylston St., Worcester, Mass.

John R. Perry, painter and interior decorator 8 Bosworth St., Boston, Mass.

Cotton A. Smith, Care of N. B. Blackstone Co., Los Angeles, Cal.

Fred A. Smith, florist and nurseryman, 265 Euclid Ave., Lynn, Mass.

Luther W. Smith, manager of Highland farm, Sec. of the Southwestern Rice Co., Manteno, Ill.

Henry F. Staples, physician and surgeon, Solon, Ohio.

Lulz A. F. Tinoco, sugar planter and manufacturer, Campos, Brazil.

Edward J. Walker, farmer, Box 315, Clinton, Mass. The next class reunion of the class of '93, will be held in Amherst in June, 1903.

'94.—Arthur C. Curtis is teaching in the St. Austin's school, Salisbury, Conn.

'95.—Thomas P. Foley is teacher of mathematics at Trinity hall, Washington, Penn.

'96.—The directors of the National Farm School Association have chosen Professor Lucius J. Shepard, of Orono, Me., to fill the position of Assistant Agriculturist and farm superintendent of the National Farm School at Doyleston, Pa. Professor Shepard has been Assistant Agriculturist and farm superin-

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tendent at the University of Maine for the past six years. Prior to that time he was superintendent of the Agricultural Department at the Boys' school at Oakdale, Mass.

'97.—John M. Barry is in the real estate business, No. 3 Fremont St., Boston.

'98.—S. W. Wiley has left his position in the Hatch Experiment station in order to accept an important position with the Bowker Fertilizer and Chemical Company at their works at Elizabeth, N. J.

'98.—Willis Sykes Fisher is principal of the Dickinson grammar school, Southwick, Mass.

'99.—Wm. E. Chapin is engaged in greenhouse work for H. H. Battles, the leading florist of Philadelphia, at his country place near that city. Address, Newton Square, Pa.

'00.—Frank H. Brown recently spent a short time at the College.

'00.—James W. Kellogg, since graduation employed as assistant chemist in the department of foods and feeding at the Hatch Experiment station, has accepted a similar but more lucrative position in the Rhode Island Experiment station and will leave very shortly.

Department Notes.

LIBRARY.

The following new books have been added to the library:

Cranberry Culture, by Joseph J. White, a practical grower.

The Practical Rabbit Keeper, by Cuniculus.

The Fox Terrier, and All About It, by Hugh Dalyiel.

How to Handle and Educate Vicious Horses, by Oscar R. Gleason.

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Editorials.

We desire to call the attention of the students once more to the series of informal dances, the first of which is to be held on next Friday evening. These affairs are something for which there has long been a demand, and we hope they will receive the support which they deserve. There has been thus far in our college life a costly indifference to social affairs, which has reacted very unfavorably upon our men after graduation. Any movement which tends to remedy this feature of our college life deserves the vigorous commendation and effective co-operation of all.

The action of the *Trinity Tablet* in attempting to claim a victory over this college in the recent basketball game is a painful reminder of the extremes to which students of professedly reputable institutions are willing to go rather than acknowledge a defeat. We confess we are surprised at their course in view of the facts of the case. A controversy arose at the close of the game as to whether the last, and as it happened,

the winning goal thrown by *Massachusetts* (not "Amherst Aggies," by the way, if you please.) should be counted. There was but one official timekeeper, selected as the rules provide, by the home team. Near the close of the game, Hall threw the deciding goal making the score 16-14 in our favor. No protest was entered or apparently considered and play continued for at least fifteen seconds later when time was called. Then, and not before, the *Trinity* manager, keeping time on his own individual responsibility claimed that the game should have ended earlier. The referee, also a *Trinity* man, and the athletic editor of the *Tablet* by the way, attempted to substitute an unofficial for an official decision. Naturally, a controversy resulted. The referee would have had as much authority to claim that the score was 50-0 or any other figure as to do what he attempted. The matter was argued at great length. The *Trinity* manager finally acknowledged the weakness of his case, agreed that the victory was rightfully ours, and moreover pledged himself to see that it was so entered on *Trinity's* records. His failure to do so under the

circumstances certainly is a dark blot on Trinity's athletic honor, but cannot alter the rights of the matter. In addition to claiming the game, charges were made in regard to the attitude of our students toward the visiting team. Says the *Tablet*: "Not only was the spirit of the whole college against whatever the visiting team did, but the partiality was evident even in the decisions of the officials." These would be serious charges if true. We deny however absolutely that the student body was guilty of any discourtesy. Trinity came to our grounds for the first time and was received at the start in a friendly way. From the moment the game began, however, the visitors chose to violate every rule of gentlemanly conduct as well as the prescribed rules of the game. From start to finish Trinity played the dirtiest game ever seen in our gymnasium, and this without any apparent provocation whatever. Several of their men were warned repeatedly, and would undoubtedly have been disqualified had the team possessed adequate substitutes. They moreover showed a desire to make trouble in every possible way, disputing every decision. Just before the close of the game they attempted contrary to rules to substitute a fresh man for a worn out player, when the official's attention was on something else. And finally, finding it impossible to win either by basketball, football tactics or prize-fighting, they trumped up at the close a baseless charge against the officials. Under such circumstances it was not to be expected that they would long retain the good-will or respect of the spectators. Even the Trinity sympathizers in the audience were thoroughly disgusted at their attitude. But while feeling could not have been friendly there was no open disapproval whatever, and whenever Trinity was willing to play straight basketball, she received liberal applause. During the last few years, we have received most of the colleges of New England, and been received by them in turn. This is the first charge so far as we know of ungentlemanly conduct in all that time. Trinity, on the other hand, has long been notorious for just such work. In conclusion, we would say that the Massachusetts Agricultural College stands ready to stake its reputation against Trinity's for fair play, and leave it to the colleges of New England with whom we both compete to choose between us in the case at issue.

ON March 1st, nearly two months and a half behindhand, the 1903 *Index* made its appearance and was placed on sale. In accordance with the usual custom it becomes the duty of the *COLLEGE SIGNAL* to attempt some sort of a review at this time.

In appearance the *Index* presents little to be criticized. The cover design is simple, consisting of an Indian's head, surrounded with the letters "The 1903 *Index*" all in gilt on a maroon cover. The binding is evidently a cheaper one than that used by either 1901 or 1902 but the grade of paper is fully as good as in either. The arrangement of material is good, but the typographical errors are too numerous to be excusable in so elaborate a production. There was ample time for any number of readings of the proof, and a bit more care would have paid many times over. The number of pages of reading matter is given as 194 to 175 for 1902, but closer examination shows that the gain is made by a less compact arrangement of the statistics and by including the full page illustrations in the count. As this was not done last year, the actual amount of reading matter has not increased. The number of advertisements is exactly the same.

We were more disappointed in the statistics than in any other feature. To the great body of purchasers, the value of an *Index* lies in the accuracy of its statistics, and in accuracy the last volume is woefully lacking. Mis-spelled names, incomplete class lists, and general looseness of details are to be noticed on almost every page. A few examples will indicate it. Thus, the one list that ought to be correct if possible, is the list of those entitled to wear the "M," yet from that list no less than three men were omitted, Gregg, Craighead and Gardner. In the list of the faculty, the librarian, Miss E. Frances Hall is printed as "T. Francis Hall." In the sophomore class picture only four men are numbered correctly. In the fraternity statistics, the date of the founding of the College Shakespearean club is given as "1897" instead of "1879." In the baseball records, the score of the Trinity game is printed as 3-2 in our favor instead of 2-3 in favor of Trinity, and again, the Middlebury score is given in one place as 4-3 and another as 5-4. The Chemical club is entered as the "K. K. K." a title it discarded more than two years ago. And so on to the bitter end.

In the alumni lists, the same trouble appears. The weakest point of the 1902 *Index* was its neglect of the alumni statistics and the board this year had an excellent chance for improvement. But what do we find? The officers of two alumni associations given, not for 1901-'02, but for 1898-'99. That means that three years have gone by since any *Index* board has taken the trouble to revise its lists in good thorough fashion. Is it any wonder that the sales of the *Index* to alumni grow smaller and smaller each year? But these are little errors, it is said. True, they are in themselves but trifles; but as Michael Angelo said "Trifles make perfection, and perfection is no trifle." Or, as the old saying runs, "Whatever is worth doing at all is worth doing well." Statistics that are not correct are infinitely worse than none at all. We respectfully recommend to the 1904 *Index* board that they either revise the alumni list thoroughly or else give up publishing it altogether.

The literary features of the book are, all in all, fully as good as we expected. The class has been severely handicapped in this respect but we feel sure that those who took this part of the book in hand did their best, and consequently we have not one word of adverse criticism to offer. There is less prose than usual, but rather more verse; and some of it is of considerable merit. The book is remarkably free from severe, bitter personalities, which too often occur. There is almost nothing at which the most sensitive could take offence. The individual records of the class of 1903 are very well done, indeed; a great improvement over 1902, and to our mind the best written feature of the whole book. The class histories all are below the standard, being decidedly lacking in originality. The Sophomore is probably the best. Of course it is understood that for none of these is the *Index* board responsible.

The artistic work would have been an attractive feature but for the poor work of the printer, who certainly did his best to spoil many of the best engravings. We could wish too that the artistic work like the literary had all been a class production. The few illustrations that were made outside are in such questionable taste for a work of that kind that there could have been little loss if they had been omitted altogether.

One of the most pleasing features of the book was

its dedication to Prof. Ralph E. Smith, an honor certainly richly deserved, and which receives universal commendation.

Our criticism of the 1903 *Index* will undoubtedly be criticised in turn as unduly severe, and in comparison with the usual reviews we are free to admit that it is. The present volume is not, it is true, any worse than many others. It is an attractive book, into which much hard work has been put. It deserves, and we hope it will receive a large sale. But we do protest vigorously against the slipshod sort of way in which the statistics are compiled, and we hope that succeeding boards will improve upon it. The weak points are the long delay in getting the book before the public and the inaccuracy of the statistics and alumni list. The strong points are the many illustrations, the high grade of the editorials and the almost complete lack of features which might cause offence.

A PERSONAL EXPERIENCE ON A NIGHT FREIGHT.

One evening in July a few years ago, I started with my horse for my summer home in Maine. We were to go by freight, and I expected, if all went well, to reach my destination early the next morning. It was dusk when we pulled out of the Somerville yards. The moon was full, and objects could be discerned almost as plainly as if it were daylight. With both doors of the car open, a flood of light streamed across the floor and made a lantern unnecessary.

Seated on a box in one of the doorways, I could see, at intervals, the shadows of trainmen as they walked along the top of the car. Shortly after leaving Portsmouth and crossing the river, I noticed the shadow of a man who was walking overhead. On arriving just above the doorway in which I was sitting, he sat down with his legs dangling in front of the open doorway, within easy reach of my hands. At first, I believed him one of the trainmen snatching a few moments rest after his hard labors at the last stopping place; but I soon changed my mind when I saw that he was turning over preparatory to dropping down into the car. I concluded at once that he was a tramp. Not wishing to accost my strange visitor, unarmed as I was, I retreated into the darkest corner I could find and awaited developments. They were not long in coming. He performed

the difficult feat of dropping into the car very skillfully as only one used to the trick could have done. Looking around, and seeing only a horse, he made his way, lucky for me, to the other end of the car and stretched out on some hay which I had taken along for my own bed. The rumbling of the train prevented me from hearing any noise which might indicate whether or not he was asleep; but, after waiting some fifteen minutes, my curiosity impelled me to make a closer examination of my fellow-traveller. Just as I started towards him, we rounded a curve and a streak of light shooting across the floor, disclosed his face for a moment. It was an unshaven and dissipated countenance which presented itself. The fact that his eyes were closed, and that he was apparently asleep, afforded me considerable relief, especially as I noticed a glittering object by his side which I knew at once was a weapon, and, from its position, I judged it had dropped from his pocket. I crept stealthily towards him, clinging to the dark side of the car, fearing lest he wake and see me before I lay my hand on that shining metal. Finally I got within reach and quickly stooped and picked it up with a feeling of relief which may easily be imagined. It was a revolver. On examination, in the light of the doorway, it proved to be a six-shooter and loaded ready for duty. I sat down in a position where I could keep my eye on the stranger in the corner and began to imagine his surprise and disappointment when he awoke and found himself disarmed. It did not occur to me that my fellow-traveller was anything more than a common "hobo." I thought he was only doing what so many others of his profession are continually doing, namely, travelling at the company's expense.

About an hour and a half after he had thrust his presence upon me, the train began to slow down. I put my head out of the door and saw that we were approaching a small station and that there was a man standing on the track ahead, waving a lantern. Of course the rattle and jar of the cars incident to slowing down a heavy freight, aroused the man. He lifted his head and looked around. Seeing me standing in the doorway, he drew back and reached out his hand as if in search of his weapon. I shouted to him and said there was no need of worrying, as I would see that he didn't fall overboard. That did not seem to reassure him, and he began begging me to let him go. I told

him I should not let him go as I was going to hand him over to the authorities. In reality, the opposite of this was my intention, and I intended to tell him to jump as soon as the train should start up again. But first, having the upper hand, I intended to have a little amusement at his expense. By this time, the train-hands were running about with their lanterns. As one of them was running by my car, a sudden impulse prompted me to call to him. He came out and looked in. Seeing the tramp whom I had allowed to come forward into the light, he asked hurriedly about him. I told him in a few words all I knew about the matter. Then, for the first time, I thought seriously of the possible character of the man with whom I had been riding. When I had told him all I knew, he became greatly excited and began shouting to the other men. When they came up, my prisoner was ordered to get out of the car which he hid, with a carelessness which spoke well of his boldness; quite a reversal of his former pleading attitude when talking to me. On touching the ground, he was seized by two burly brakemen. I soon learned the cause of these strange proceedings. The last town where we had stopped telegraphed ahead to the one where we now were to flag the freight and search it for a suspicious character. A daring robbery had been committed, and the robber had been traced to the tracks; so it was supposed that he had boarded the freight. Here he had been riding in my car. You may well imagine my feelings when it occurred to me what I had done; it being nothing more nor less than the capture, single-handed, of a blood-thirsty desperado.

The town constable, having been notified before our arrival, soon came tearing down the road in an old carriage. Handcuffs and shackles soon adorned the prisoner, and he was driven away to spend the rest of the night in the country jail.

As the signal for the train to start was about to be given, the operator stepped out of his office with a broad grin on his face and handed the conductor a despatch. As I happened to be standing beside the conductor, I read it by the light of his lantern, while my heart quickly took a trip from the seventh story to the basement and an irrepressible feeling of thirty cents gained possession of me. It read as follows: "Robber boarded down freight and caught at D—, 303 proceed at once; receive further orders at H—!"

A. N. S.

CONNECTICUT VALLEY ALUMNI.

The alumni of the Massachusetts Agricultural College living in Hartford and vicinity, had a banquet at Allyn House, Hartford, Conn., Friday evening, Feb. 21, some twenty-five members being present. A preliminary meeting had been held earlier in the season, at which Edwin P. Smead, principal of the Watkinson Farm School, was chosen temporary chairman and H. D. Hemenway of the Horticultural School of Hartford was elected temporary secretary. After the banquet the committee appointed at the preliminary meeting submitted a draft of a constitution and by-laws which were adopted.

Those present were President H. H. Goodell of the college and of the alumni Judge R. W. Lyman, Northampton, '71; Edwin P. Smead, principal Watkinson Farm School, '71; Lilley B. Caswell, civil engineer, Athol, '71; S. H. Barber, civil engineer, Windsor, Conn., '72; James H. Webb, lawyer, New Haven, Conn., '73; John B. Minor, manufacturer, New Britain, Conn., '73; George A. Parker, superintendent Keney Park, '76; J. E. Root, physician, Hartford, Conn., '76; James S. Williams, manufacturer, Glastonbury, Conn., '82; Charles M. Beach, farmer, West Hartford, Conn., '82; Professor Charles S. Phelps, Connecticut Agricultural College, Storrs, Conn., '85; William M. Shepardson, landscape gardener, Middlebury, Conn., '88; C. M. Hubbard, farmer, Sunderland, '92; R. P. Lyman, veterinary surgeon, Hartford, Conn., '92; W. I. Boynton, dentist, Springfield, '92; E. H. Lehnert, professor veterinary, Storrs, Conn., '93; Charles A. Goodrich, physician, Hartford, Conn., '93; J. H. Putnam, superintendent estate, Litchfield, '94; H. D. Hemenway, director Horticultural School, Hartford, Conn., '95; Allan B. Cook, superintendent estate, Farmington, Conn., '96; R. L. Hayward, insurance, Hartford, Conn., '96; R. D. Gilbert, student at Yale, '00; W. A. Dawson, Pierson greenhouses, Cromwell, Conn., '01.

It was decided to call the organization the Connecticut Valley Alumni Association of the Massachusetts Agricultural College, and officers were chosen as follows: President, James H. Webb of New Haven, Conn.; vice-presidents, Dr. Joseph E. Root of Hartford, Conn., Professor Charles S. Phelps of Storrs, Conn.; secretary, H. D. Hemenway of Hartford, Conn.; treasurer, John B. Minor of New Britain.

After the business meeting Professor Phelps, as toastmaster, called upon the newly elected president, Mr. Webb, who spoke in behalf of the organization. George A. Parker, superintendent of Keney Park, spoke on landscape gardening and urged the necessity of a school for his study, and President H. H. Goodell of the college made an address, saying something about the present condition of the college and its increased field for usefulness.

President Goodell spoke on the needs of the college, most of which are appreciated and are being met. The trustees now have \$90,000 for a new boarding house and a heating plant. He was elected an honorary member of the association.

Another speaker of the evening was Judge R. W. Lyman, '71, of Northampton, who spoke for the college and sister associations of alumni. A letter was read for Dr. Wellington, telling of the work of the alumni committee on advertising the college.

The present membership is as follows:

GUEST.

H. H. Goodell, President.

MEMBERS.

- '71.—Judge R. W. Lyman, Northampton.
- '71.—Lilly B. Caswell, Civil Engineer, Athol.
- '71.—E. P. Smead, Principal, Watkinson Farm School, Hartford, Conn.
- '72.—S. H. Barber, Civil Engineer, Windsor, Conn.
- '73.—James H. Webb, Lawyer, New Haven, Conn.
- '73.—John B. Minor, Manufacturer, New Britain, Conn.
- '76.—George A. Parker, Superintendent Keney Park, Hartford, Conn.
- '76.—J. E. Root, Physician, Hartford, Conn.
- '85.—C. S. Phelps, Prof. Agri. Conn. Agri. College, Storrs, Conn.
- '92.—W. I. Boynton, Dentist, Springfield.
- '93.—E. H. Lehnert, Prof. Veterinary Storrs, Conn.
- '93.—Charles A. Goodrich, Physician, Hartford, Conn.
- '94.—J. H. Putnam, Superintendent Estate, Litchfield, Conn.
- '95.—H. D. Hemenway, Director Horticultural School, Hartford, Conn.
- '96.—Allan B. Cook, Superintendent Estate, Farmington, Conn.
- '00.—R. D. Gilbert, Student, Yale, New Haven, Conn.

FRATERNITY CONFERENCE.

A meeting of the Fraternity Conference was held Tuesday evening, Feb. 25. Those present were Dr. Charles Wellington, '73. C. A. Tinker, '04 and E. B. Saunders, '02, of the D. G. K. Fraternity; R. W. Morse, '02, and H. J. Franklin, '03, of the Q. T. V.; Prof. S. F. Howard, '94, V. A. Gates, '02, and E. G. Proulx, '03, of the Phi Sigma Kappa; and H. L. Knight, '02, and C. I. Lewis, '02, of the College Shakespearean Club. The main business was the hearing of the reports of committees. Three fraternities reported favorably on the adoption of Monday night as the Fraternity Night, the D. G. K. alone opposing it. The committee appointed to investigate the matter of a new song pamphlet reported favorably and the committee was further instructed to prepare a song-book, at once. The committee instructed to petition the Faculty for ten minutes each week after chapel for college singing, reported that the petition was granted for a period of ten weeks. It was thought best however to delay holding these exercises until the appearance of the song-books. The Conference then adjourned.

THE LADIES' RECEPTION.

The first of the series of social gatherings given each year by the ladies of the faculty in co-operation with the Fraternity Conference was held Saturday evening, March 1. The attendance was fairly large, though unquestionably lessened by the sudden change in date made necessary by the violent storm on the evening before, when the reception was to have been held. The affair was entirely informal. A very pleasant social evening was enjoyed, and an excellent musical program presented as follows:

Piano solo,	Miss Maynard.
Bass solo,	Mr. Staples.
Banjo solo,	Mr. Walker.
Reading,	Mr. Couden.
Baritone solo,	Mr. Allen.
Cornet solo,	Mr. Holcomb.
Music by quartette,	Mr. West.
	Mr. Lewis.
	Mr. Holcomb.
	Mr. Staples.

The largest single gift ever given an educational institution is that of thirty millions which Mrs. Stanford has recently awarded to the university bearing her name.

THE JUNIOR BANQUET.

The Junior banquet tendered the class of 1903 by the class of 1905 was held in the United States Hotel, Boston, on Friday, Feb. 21.

The class left college in a body Friday afternoon, after a lively time arrived in Boston, and at 8-30 sat down to supper. After their appetites had been satisfied Toastmaster P. W. Brooks took charge and kept the class in roars by his funny stories and comical poetry introducing each speaker by some fitting little original verse.

Class-president E. B. Snell responded to the first toast, "The Freshmen." He spoke of the responsibility which Juniors should feel for the Freshmen and mentioned the many good characteristics of the class of 1905.

S. C. Bacon, President of the Junior Prohibition Club, next spoke on Prohibition and explained the object of the Club and the good work which it hopes to do. N. F. Monahan handled the "Hottest Class" in good shape, giving a brief history of the class from the time it entered college up to date.

C. P. Halligan then explained why he liked to "Breakfast at 7-59" and run to chapel and from this led on to a most amusing account on something which he knows absolutely nothing about—women. "The Cut System" by W. E. Allen could not have been handled in better shape. He mingled his explanations of the system with many stories and anecdotes.

G. L. Barrus next gave his version of the manner in which certain professors handled their departments while others were treated by M. H. West in a very pleasing way. G. D. Jones next told about the "doings" in our "Stock Exchange," mingled with an unusually large number of jokes and stories which he showered around the class.

The "Nobility of Agronomy" responded to by H. J. Franklin, certainly was a success from an amusing point of view. W. W. Peebles in his subject "Religion in our class" pointed out the grand moral effect religion has had on the individual members, illustrating his remarks with many quotations.

At the close of the banquet a toast was drunk to the "Freshmen" and hearty three times three were given for the class which had given them such a good time. The committee in charge were R. H. Robertson, P. W. Brooks and W. V. Tower.

Observations & Conclusions

That was a good joke sprung on us the other day when somebody posted on the bulletin board a notice to the effect that in case of fire in either of the dormitories, "students rooming on the upper floors shall immediately lower the fire escapes." Whether the adjutant, the fire marshal, or the commandant is responsible for the joke we are uninformed but it is worthy of Artemus Ward himself. To those rooming in the dormitories no explanation is needed; and others will understand the humor of the situation when they know that it is a good ten days undertaking for four men, three pair of mules and a machine for the computation of heights, weights and densities to lower the four contrivances on the south side of South College which the above mentioned humorist has termed fire escapes. Our advice to the "roomers" in the upper stories is to try the stairways or; if cut off by the fire in that direction, to tie together their sheets and blankets, and lower themselves from the rear windows where, in case of accident, there is no tar walk to break the force of the fall.

Speaking of good jokes, puts us in mind of a very bad one which the 1903 *Index* following the example of its predecessors for many years back, has again seen fit to inflict upon us. Why so many *Index* boards should deem it funny to publish year after year a photograph of a lot of fellows in dress suits and label it, the "Glee club" is a question worthy the attention of future boards of editors. If those gentlemen who figure in the photograph want to see their names in print, let them form themselves into some other kind of a club. This would, at least, relieve the monotony. Call it the "New Woman's Club," or better "The Old Woman's Club," for a change. Anyway the joke, if continued, ought to be labeled as such, or it might be taken seriously by some of the alumni, and lead them to believe that we really have a Glee club in College. In fact it would be a good thing for the College if we had.

It is curious that those visiting basketball teams which play the roughest games themselves are so ready to complain of the treatment that they receive

at our hands. If visitors, even theological students, will play "dirty ball" they must not expect to be applauded for it by any but students of their own college. Apropos of the above, the last issue of the *Trinity Tablet* is very amusing.

OFFICIAL NOTICE.

In accordance with the constitution of the COLLEGE SIGNAL we publish the following notice:

The men named below may become eligible for election to the COLLEGE SIGNAL board: 1903, H. J. Franklin, W. W. Peebles, C. S. Tinkham; 1904, E. A. Bach, A. W. Gilbert, R. R. Raymoth, H. M. White; 1905, G. H. Allen, H. H. Goodenough, C. A. Merrill, F. C. Pray, A. W. Swain.

To become eligible, these men must make at least one additional contribution to the COLLEGE SIGNAL on or before March 21, 1902. Articles must be in my hands or left inside the SIGNAL mailbox on or before that date in order to be considered. The election of new men will take place as soon as possible after the closing of the competition, the basis of choice to be the quantity and quality of the work submitted during the entire period.

EDITOR-IN-CHIEF.

COLLEGE CALENDAR.

THURSDAY, MARCH 13.—Basketball, Massachusetts vs. Cushing Academy at Ashburnham. Address before the Y. M. C. A. at 7-00 o'clock by Mr. Huntress of Westfield.

FRIDAY, MARCH 14.—Basketball, Massachusetts vs. Fitchburg Y. M. C. A. at Fitchburg. Informal dance in the Drill Hall.

SATURDAY, MARCH 15.—Competition closes for the college song contest.

THURSDAY, MARCH 20.—Condition examinations.

FRIDAY, MARCH 21.—Competition closes for the COLLEGE SIGNAL.

SATURDAY, MARCH 22.—Election of new editors for the COLLEGE SIGNAL.

TUESDAY, MARCH 25.—Regular meeting of the Chemical Club.

John D. Rockefeller has offered to double any gifts up to \$200,000 made to the endowment fund of Vassar College before June 1904.

College Notes.

—1903 *Index* at last!

E. F. McCobb is suffering from an attack of la grippe.

—Dr. Wellington was unable to attend his classes last week.

—J. H. Hamblin, '05, has left College for a month to recuperate.

—Prof. W. P. Brooks was called to Norwell last week by the death of his sister, Mrs. Waldo Jones.

—The sympathies of the College are with J. C. Hall, '02, who was recently called home by the death of his sister.

—The class of 1904 held their sophomore dinner in the Bloody-Brook house, South Deerfield last Friday evening.

—The officers of the Pan-American Exposition have awarded the College a diploma and a handsome gold medal for its exhibits.

—The first of the series of informal dances will be held in the drill hall next Friday evening, March 14. All College men are invited.

—Prof. Babson has been appointed to a position in the literary department of the *Baltimore Sun*, conducted by Prof. Guy Carlton Lee.

—Attention is called to the fact that anyone wishing to compete for the College song prize must hand in their song on or before Saturday, March 15.

—H. A. Paul delivered a lecture Friday afternoon on the "Campaign at Santiago" in the Students' Lecture Course of the Military Science department.

—Prof. Herman Babson lectured before the College Shakespearean club, Monday evening, March 3, on "Some phases of German life."

—The reception held by the ladies of the faculty on Saturday, Feb. 27, in the chapel was well attended and proved very enjoyable. See account elsewhere in this issue.

—A serious error in the 1903 *Index* was the omission of three names from the list of those entitled to the "M." J. W. Gregg has earned the baseball "M." and W. H. Craighead and J. J. Gardner the football "M."

—Mr. Canavan intends to clear the snow from the board walk between the boarding-house and North College some time the latter part of this week, unless a thaw comes on to prevent.

—H. L. Barnes, '04, who had his leg broken while playing football last fall has been taken to the House of Mercy, Pittsfield, where it was found that he not only had his leg broken in three places but had also sprained his ankle.

—Mr. D. L. Cleaves, instructor in Chemistry for the past few months has resigned his position. He has been chosen assistant chemist in the fertilizer division of the Chemical department of the experiment station, to succeed S. W. Wiley, '98. He will begin his new duties about April 15th.

—On February 25th Prof. Babson gave a lecture before the Amherst ladies' Tuesday club, comparing Cotton Mather and Jonathan Edwards.

Captain Paul has his squad of baseball men hard at work. He is hardening their muscles by rigid work in the "setting up" exercises and Butte's "Manual" for the rifle, besides giving them throwing and batting practice. The Freshmen who are trying for the team—Walker, Ingham, Hunt, Pray and Merrill—are showing up well.

—At the annual election of officers in the Young Men's Christian Association, held Thursday, March 16th, the following men were elected: Pres't, W. E. Tottingham; vice pres't, E. A. Bach; corresponding sec'y, P. F. Staples; recording sec'y, E. E. Rhodes; treas., H. J. Franklin. They will assume the responsibilities of their offices the first of April.

—Mr. Thomas Lavelle has been secured by Mr. E. A. Jones of the farm department as overseer of the dairy. This makes a completed list of overseers as follows; E. A. Jones, general sup't; Mr. Bldurtha, ass't sup't; Mr. Holloway, sup't cattle barn; Mr. Meeekin, sup't horse barn; Mr. Brown, sup't carpenter department; Mr. Lavelle, sup't dairy.

—Mr. Huntress, who has been connected with the Y. M. C. A. in Westfield for ten years and who is to take charge of the work in Pittsfield next May, will address the Y. M. C. A. to-morrow evening at seven o'clock. It is proposed to combine with his address a praise service. Plans are on foot for some special musical features and it is hoped that all of the Faculty

Athletic Notes.

BASKETBALL.

AMHERST, 36; MASSACHUSETTS, 22.

The basketball team played their second game with Amherst at Pratt gymnasium Wednesday afternoon Feb. 26, and were defeated by the score of 36-22.

The game was close and always interesting but was apt to be rough at times. Massachusetts played a very good defensive game and especially in the first half blocked Amherst's passing skillfully.

The game began at 4-30 and after a few seconds play, Dellea scored a goal for Massachusetts. Massachusetts kept the lead through the first half until a few seconds before time was called when Wilson put the ball in the basket making the score at end of first half Amherst, 18; Mass., 16.

In the second half both teams started in with a rush. Owing to Massachusetts' poorer physical condition they could not keep the pace and at the end of the half the score was 36-22 in Amherst's favor. The only thing to mar the playing of this half was the large number of fouls.

For Amherst Wilson and Carnell did the best playing while Hall and Dellea excelled for Massachusetts the latter making some very pretty goals. The summary:

AMHERST.
Anderson, r. f.,
Wilson, l. f.,
Cleeland, c.,
Crawford, r. g.,
Carnell, l. g.

MASSACHUSETTS.
l. g., Fulton
r. g., Whitaker
c., Hall
l. f., Quigley
r. f., Dellea

Score, Amherst, 36; Massachusetts, 22. Goals from field, Wilson 4, Anderson 3, Cleeland 2, Crawford, Carnell, Quigley 3, Dellea 3. Goals from fouls Crawford 3, Dellea. Umpire and referee, Belden of Mass. and Field of Amherst. Timers Gates of Mass. and Whitelaw of Amherst. Time, 20 minute halves.

MASSACHUSETTS, 27; WESLEYAN, 24.

On Saturday, March 8, the basketball team played its last home game of the season with Wesleyan at the Drill Hall and won by the score of 27-24.

Although the score was close the game was slow and unexciting for it was only during the last few minutes of play that Wesleyan became a dangerous opponent. In the last five minutes of play Wesleyan scored four easy goals. The team work of the men

and the student body who can, will be present to hear Mr. Huntress and to help in the singing.

—The Political Economists of the senior class easily defeated the Botanists, last Saturday evening by a score of 60 to 14. The game was one-sided but interesting throughout. The "Polycons" excelled in team work but marred their showing by persistent fouling, which cost them many points. Bodfish excelled for the "Polycons," throwing eleven goals and two fouls, while Dacy and Dellea played a plucky game for the Botanists. The summary:

POLYCONS
Bodfish, r. f.
Belden, l. f.
Cooley, c.
Smith, r. g.
Morse, l. g.

BOTANISTS
l. g., Plumb
r. g., Dacy
c., Lewis
l. f., Hodgkiss
r. f., Dellea

Score: Polycons 60, Botanists 14. Goals from field, Bodfish 11, Belden 4, Cooley 2, Morse, Smith, Dacy, Dellea. Fouls called on Morse 8, Smith 2, Cooley 2, Bodfish, Plumb 2, Lewis, Hodgkiss. Goals from fouls, Dellea 8, Bodfish 2, Belden. Referee, Haffenreffer. Umpire, Gilbert. Time-keeper, Couden. Scorer, Knight. Time, one 60 minute half.

NOTICE.

It is the duty of every alumnus and student of this College to send at least one football player to M. A. C. this fall. We need more men and must have them.

C. P. Halligan, Cap't.
F. E. Jennings, Coach.

BASEBALL.

Indoor baseball practice has begun in the Drill Hall and is being continued regularly under the direction of Captain Paul. The list of candidates is as follows: 1902, H. L. Bodfish, L. A. Cook, H. A. Paul; 1903, P. W. Brooks, J. G. Cook, C. P. Halligan, E. C. Proulx; 1904, M. F. Ahearn, J. W. Gregg, G. E. O'Hearn; 1905, T. F. Hunt, N. D. Ingham, F. C. Pray, L. S. Walker, C. A. Merrill.

A good schedule is being arranged which will be announced in due season, and a tax will soon be levied on the student body. With proper support, there is not the slightest reason why we should not have the best team in our history this spring.

The honor system which is practiced at Princeton has been adopted by the students of Cornell.

was rather poor and the passing was not up to the standard.

For Wesleyan Woodruff and Calder did the best playing while Fulton and Dellea excelled for Massachusetts. Summary:

MASSACHUSETTS.
WESLEYAN.
r. g., Calder
Ahearn, l. f.
Dellea, r. f.
c., Clerk
Cook, c.
Fulton, l. g., c.
Quigley, r. g.
Whitaker, l. g.

Score, Massachusetts, 27; Wesleyan, 24. Goals from field, Fulton 4, Woodruff 3, Calder 2, Ahearn, Dellea, Quigley, Whitaker, MacNaughton, Clerk, Mathison. Goals from fouls, Dellea 3. Referee and umpire, Belden of Massachusetts and Garrison of Wesleyan alternated. Timekeeper, Bodfish. Scorer, Paul. Time, 20 minute halves.

Alumni.

'72.—Isaac H. Easterbrook, died April, 1901, at Dudley.

'82.—Henry S. Brodt has been chosen secretary and assistant treasurer of the corporation of J. W. Hugus & Co., Rawlins, Wyoming. Mr. Brodt located in Rawlins two years after graduating from this institution and secured this position of civil engineer for the Wyoming Central association. In November, 1885, he entered the employ of J. W. Hugus & Co. and four years later was given management of the grocery department of their extensive store. He became a stockholder of the company in 1891. Mr. Brodt is also a stockholder in the Carton County Sheep and Cattle company.

'86.—George S. Fellows, B. A., who entered the postgraduate course here in '86, died suddenly at Exeter, N. H., Aug. 26, 1901.

'91.—Word has been received that A. G. Eames, war correspondent for the Boston Journal in the Philippines has mysteriously disappeared. All efforts to locate his whereabouts have failed.

'95.—Walter L. Morse has recently resigned his position as assistant engineer, with the N. Y., N. H. & H. R. R. Co, to accept a similar one with the N. Y. Central & Hudson River R. R. Co. He is at present located with the Terminal Engineer, and is to be connected with the building of the tunnel loop beneath

the Grand Central Station N. Y. city and the remodeling of the tunnel, in which occurred the recent wreck.

'99.—M. H. Pingree is instructing a class of about fifty men in dairy chemistry at the Penn. State college.

'99.—Charles M. Walker has lately been promoted to first assistant to E. P. Felt, state entomologist of New York. The entomological exhibit which Mr. Walker arranged for the Pan-American exposition at Buffalo has been awarded a gold medal and four silver medals.

'99.—F. H. Turner who is in the hardware business in Great Barrington spent Sunday, Feb. 23, in Amherst.

'99.—Samuel E. Smith who entered this year's dairy class has entered the poultry and dairy business at East Longmeadow.

'99.—W. E. Hinds who was temporary assistant of the division of entomology at Washington, D. C., dur-



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ing the last summer, prepared, while in that work a bulletin on "Carbon Bisulphide as an Insecticide." Mr. Hinds in order to conduct some practical experiments with the use of carbon bisulphide against the cigarette beetle, thoroughly familiarized himself with the subject and as a result the bulletin is very complete. It is of value to persons interested in the destruction of insects injurious to stored products, underground insects, museum pests, tree borers and sucking insects and contains in the appendix, chemical experiments with carbon bisulphide by E. E. Ewell of the Bureau of Chemistry.

Ex-'05.—F. W. Brigham has entered a Boston business school, address, 463 Blue Hill Ave., Dorchester.

Department Notes.

LIBRARY.

The Life of Robert Stevenson by Graham Balfour (2 vols.) The author admits that Stevenson had his faults but passes on to speak of his virtues. There were failures in his life, says Mr. Balfour, but let us rather dwell upon his triumphs. Never, perhaps, has there been a more vigorous outcry than that precipitated by Mr. Balfour's biography of his kinsman. It is a modest book, and gentle enough, in all conscience. It proffers no challenge. It accepts its hero as genuine and worships him with reverence. The book is intended to supplement the volumes of Stevenson's letters already published. Originally it was to have been written by Mr. Colvin and to have appeared simultaneously with the two volumes of correspondence, so admirably edited by him; but when health and opportunity unfortunately failed him, Mrs. Stevenson requested Mr. Balfour to undertake the task. Mr. Balfour was a cousin to Mr. Stevenson and during the last two and a half years of Mr. Stevenson's life Mr. Balfour had on his invitation made Vaillima his home and the point of departure for his journeys, and apart from the members of Mr. Stevenson's own family, had been throughout that period the only one of his intimate friends in contact with every side of his life. Consequently he was selected to write Mr. Stevenson's biography.

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NO. 10

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Editorials.

We had intended to enclose a cut of our basket-ball team with this issue, and to devote considerable space to an account of the team and its work. Delays in securing the photograph however prevented us from so doing and accordingly we have postponed the entire matter until the following issue.

At a meeting of the senior members of the COLLEGE SIGNAL board, these men were elected to the editorial staff: H. J. Franklin, 1903, R. R. Raymoth, 1904, H. M. White, 1904, G. H. Allen, 1905, H. H. Goodenough, 1905. Subsequently the new board organized as follows: Editor-in-chief, Myron H. West; business manager, William E. Allen; assistant business manager, Howard M. White. They will probably assume their new duties very shortly. It is unnecessary to say that the retiring board extends to these men its best wishes and desires that they will meet with all possible success. They have an excellent opportunity before them. We leave the COL-

LEGE SIGNAL on a firmer financial standing than it has previously known, and we hope this has been accomplished without undergoing a depreciation in its standards. The position is one of serious responsibility and we hope the new board will realize this fact in its fullest significance. In conclusion, we would thank our friends for their many kindnesses during the past year, with the hope that they will be extended in the same full measure to our successors.

AMONG other editorials in the 1903 Index was one strongly opposing co-education in this college. This is of course a question in which a difference of opinion is likely to exist and it is possible that its writer correctly represented college opinion. Some of his arguments however did not impress us as particularly strong. For instance, in conclusion, he says, "We cannot see how with so many good colleges for women in the close vicinity it would benefit a woman to attend our college." This is a dangerous argument. It is precisely the one which is used by opponents of the college with regard to students of any sort. We answer it by saying that it would be true provided the



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opportunities offered in adjacent institutions were the same, but not otherwise. The Massachusetts Agricultural College was established with the express purpose of "promoting the liberal and practical education of the industrial classes" by offering courses in agriculture and its allied branches. No other institution in the state has that object or offers those distinctive courses. Those who desire them must come to this college, and the fact that other colleges of entirely different aims are to be found within a radius of ten miles has no significance whatever. It would be quite as logical to exclude a man from West Point on the ground that there was a theological seminary in the next town. As to whether our courses are such as women desire we cannot say; but if any think that they want them we cannot see any argument for denying them the privilege. The second argument advanced is that co-education is not necessary to us from a social standpoint since "situated as we are, in the immediate neighborhood of two colleges for women, the men can enjoy as much of the society of young ladies as they see fit." This is one of those arguments that are excellent in theory but quite worthless in practice. His statement is perfectly true, but as far as the great bulk of our students are concerned the colleges in question might just as well be located on the horns of the moon. The problem of how to obtain more social life has been one most serious from the very beginning. To our mind the most logical solution is co-education. The *Index* incidentally refers to one argument however which is really more important than any previously advanced. It has so far been the policy of the College to excuse these students from certain exercises *without requiring an equivalent amount of work*. As yet no particular harm has resulted from this system, but is it not setting up a dangerous precedent? If we are to have electives, well and good, only let us all have the privilege. Or if these students are taking special courses, and foregoing their degrees, well and good; only let it be so understood. But we do not believe the College can afford to lessen the value of its degree by any system which exempts some students from a considerable share of our compulsory work without requiring any compensating equivalent. And this too without any regard to the bitterness and unpleasantness which any such policy is almost certain to create.

Stories.

HEROISM: AN EXAMPLE FROM MY MEMORABILIA.

It was in the city of Pittsburg one noon in September 189-. Crowds of people were hastening to their mid-day meals with all the bustle and briskness characteristic of this occasion in a large manufacturing city. In the central portion of the city where the streets were flanked by high office buildings, the busy hum and clatter of the crowded streets was suddenly drowned out by the sharp clear blast of a fire alarm. Unmindful of such a common occurrence as a fire, the crowd continued on its way. Soon the expected sounds could be faintly heard far up the street. Louder and louder became the clatter and clang of gongs of the approaching fire engines and accompanying apparatus until the drivers pulled up in front of a ten-story brick building.

Soon after the arrival of the first apparatus, it was decided by the chief in command that he had more than an ordinary fire with which to cope. Consequently a second and a third alarm was rung in. As can be well imagined the hurrying of great quantities of fire-engines and all their attendant pieces towards one part of the city soon attracted the attention of vast numbers of people who were soon hastening in the direction of the fire. The crowd became so great that cordons of police were detailed to keep them back; and all the streets in the immediate vicinity were roped off.

The fire was raging in the third and fourth stories so fiercely that no access could be had to the upper parts of the building. Fortunately, owing to the fact that it was the hour between twelve and one, hardly a person remained in the doomed structure. Great clouds of smoke were continually pouring out, shutting off the view of those on the street from the upper floors, except at intervals when the smoke would rise revealing the upper portions of the building towards which the flames were rapidly spreading. At one of these intervals some one who happened to be looking up saw a woman leaning out of an eight-story window. She was clinging there and looking down as if utterly bereft of her senses. The attention of the firemen was at once attracted. At first, they could see no possible way of rescuing her, up there above a seeth-

ing furnace as she was; but suddenly, a hose-man, grabbing a coil of rope and a scaling-ladder, darted through the crowd and into the building opposite. A cheer went up from the crowd because, although not knowing what would be his course of action, they felt sure that a rescue was to be attempted.

Presently he appeared far up in air on the roof. High up as he was, he was below her for whom he was going to risk his life. When the truth flashed upon him that he was not upon a level with her, he seemed to hesitate as if engaged in trying to devise some way of getting at her. Suddenly an idea seemed to come to him. He made a noose and coiled his rope up as if preparatory to throwing it to the woman; then the idea that she would never be able to slide down a rope like that occurred to him, and he stopped. But his eye happened to fall on a large hook, such as is used to fasten shutters, on the sill of the window opposite him. He threw his rope at it, but it fell short. When the crowd far below saw the end dangling down through the air, a suppressed groan went up from them. Again he tried, this time successfully. Now a shout of encouragement issued from their throats. Just at this point another fireman appeared by his side, and together they tied the end which he had retained to a projection on the roof. Now came the time to test that hook on which so much so much depended. Every eye in that vast gathering far below was fixed on this solitary figure as he worked himself slowly over hand across the street. Finally he reached a place where he could climb upon the sill. Then the man who had stayed behind took another rope and threw one end of it to his comrade. To one end of it was attached the scaling-ladder which he had pulled over. There was yet before him the most crucial test, as he had two stories to scale. Presently he fixed his ladder on the sill of the window above and slowly, carefully worked his way up. In like manner, he went up another story and stood beside the woman.

After a short rest, with the now unconscious woman on one arm, he began what seems like a miraculous descent. Even more slow than his ascent was his descent. Meanwhile the multitude of anxious watchers were momentarily expecting to see him and his burden come hurtling through the air to be crushed on the pavements many feet below. Indeed it is doubtful if he would have ever been able to place the woman

on the sill where the rope was tied. As it was, other firemen, having come up on the opposite roof, had sent over one of their number who assisted the now thoroughly exhausted man. After a moment's pause the two men rigged a sling by means of which, using the rope as a cable, they sent the woman across, and, finally, were themselves pulled over, thus consummating one of the most daring rescues from fire on record. When the last man had been safely pulled over to his comrades, and they were assured that all were safe and sound, such a shout as will never be forgotten by those who heard it, went up to heaven from the throats of that vast audience.

A. N. S.

DARK ATTALA.

All day long on the plains of Media two parties are travelling in the same direction, the one in flight and the other in pursuit, the first in fear and the second in derision and anticipation, for now the rich goods of the fleeing caravan are about to change hands. The caravan has every reason to fear, for it is Dark Attala who follows them with his men, picked for their cruelty, greed, and recklessness. They are the terror of all the plainsmen, for their leader from his stronghold among the Caspian Range rules with tyranny and evades his would-be-captors in the numberless passes of the mountains. He rolls in the wealth fallen to his hands, and all the restless spirits flock to join themselves under his standard of blood and death. But one thing he lacks—his daughter! For her this terror of man destroys and plunders in a vain search. Years before she was stolen from him as a present to some noble: Attala becomes a brigand to drown his grief, and seems to hate all mankind. For years he keeps up his cruel practices and gains in wealth but Mimima seems disappeared from earth, for no trace can he find of her. He keeps up his terrible trade, and plunders all.

Thus it is we find him, bent on the same mission of butchery and slaughter. All his men are armed to the teeth; their swords are loose in the scabbards, and guns loaded and in readiness for the work to which they are accustomed. The robbers are on the caravan now and ruthless massacre takes place. The victims plead for mercy, but none is given. The air is filled with the screams of tortured and dying men

and horses. It is a horrible sight and it turns one sick to think of it.

And now all is over. The brigands give their attention to the goods. Here are rare spices from India, precious pearls from Ceylon, soft and richly-woven rugs from Persia, dates and fruits from Arabia and an endless variety of rich and rare articles from the East.

These things however are not destined to be enjoyed by the robbers, for, suddenly, and without any intimation of their presence, a battalion of Turkish horse are seen charging towards them. Escape seems a hopeless proposition for the surprised band for its horses are tired and the men weary from the work of killing.

However Dark Attala is a man of considerable resource. He bids his men lash him to a horse and then to flee after he has seemingly broken away from them. As the troops come dashing up they see a man suddenly break from the band of brigands and gallop fiercely towards them tied to a horse. The brigands make no attempt to follow but flee in all directions. Meanwhile the troops pay their attention to the bound man—and to the spoils left by the robbers—who cursing and swearing tells a dreadful tale of how the terrible Dark Attala with his following had robbed and massacred all his comrades and kept only him alive to reserve for some fate, he knew not what. He tells also of how he had escaped the robbers during their confusion at seeing the troops. He is invited to join the troops and go before the Sultan to tell his story. He accepts with seeming pleasure for he knows that the invitation is a command.

Barvivan for that is Dark Attala's name now, dines the next noon with a nobleman by whose villa the troops are camping. He is received very graciously and ushered into the reclining room where are some gentlemen friends of the host. Some ladies enter and the men all rise and pay their respects. There is momentary silence. Attala's daughter is before him. She sees her father. She makes no sign of recognition, no, she is too brave.

The next day the troops move on but there is no Barvivan with them. He is on his way to the mountains and with him goes the nobleman's wife, his daughter Mimima.

The natives say he lives among the mountains still, and that there is a beautiful lady with him who calls

him "father." But none can find him, or his wealth, though many are the searchers. H. H. G.

"ANOTHER LOST SECRET."

It is a mild autumn night, the rain is falling in sheets and the wind whistles mournful as if bewailing the approaching rigor of winter. Inside the chemical laboratory of the college of S—stands a young man working at a bench by the aid of an electric lamp, so absorbed in his work as to be wholly unmindful of the disturbing elements outside. Since entrance to college Arthur Luther had shown special aptitude in chemistry and now as a result has been given during his sophomore year special advantages and opportunities for working in that subject, among which was the use of his bench in the laboratory during the evening. He seldom took advantage of this privilege but on this particular evening we find him deeply engrossed in his subject although the evening was now well spent and the janitor whose duty it was to lock up the building had for some time been grumbling at his enforced waiting.

On account of his fine work in the subject he had won his way to the heart of instructor who had given him a chemical problem to work on during spare minutes. It was a problem often given to more advanced students to work on and its solution would give to the one who would solve it, honor and recognition in the chemical world if not material recompense. It still remained unsolved however and had been given to young Luther mainly for the practice the exact work required would give. He had worked often during spare hours as it, sometimes talking with those who had attempted its solution and failed. On the afternoon of the day in question he had by the accidental dropping of a comparatively rare salt in a solution he had made, brought about a reaction which gave him a valuable hint. He had been interrupted at this point and had not been able to again take up his work till early evening. At the point at which this narrative opens he stands before the light with a solution an evaporating dish which he is carefully acidulating, while the eager expression on his face shows with what keen interest he is conducting his experiment. He gradually raises the bottle of acid with his right hand while with his left he holds the solution nearer the light in order to stop the process at exactly the right moment. How

carefully he proceeds, he slowly allows a small drop of the acid to fall, then a second, and a third, then he stops, the litmus paper is slowly turning red, with the greatest care he again raises the bottle when suddenly all is dark and the dish crashes in the sink beneath as his overworked nerves give way. Quickly he scratches a match in order to make sure of the slip of paper on which he has jotted down important notes but at the same instance the janitor alarmed at the crash made by the breaking of the dish opened the door and the small bit of paper is picked up and hurled away from his grasp by the sudden burst of wind which came through the open door.

The *Daily News* the next morning contained the following item: "Owing to an accident at the power house the college buildings were left in total darkness for about a half an hour last evening and although a good deal of inconvenience resulted to the students we have as yet heard of no accident taking place."

Although young Luther hunted long for the valuable slip of paper he never found it, and although he somewhat lost interest in that special problem still he retained an interest in chemistry and should his real name be given a leader in the science would at once be recognized. H. M. W.

A GIRL, A FAN, AND A SPRAY OF MOUNTAIN LAUREL.

"Whom shall I take to the Prom?"

This was the question which Stanwood had asked himself over and over again. He had emptied his meerschaum three times and still the question was unanswered. Rising from the corner-seat he walked from one to another of the many photographs which adorned his college room. It availed him nothing. The problem still faced him.

At this moment he heard someone upon the stairs, singing in a clear strong voice one of those songs, which having once been popular, are with difficulty worn out and forgotten. The door opened, a merry face looked in, and a letter scaled across the room, dropped at his feet.

"Hello Stan! Here is an epistle from Her Majesty. Glad to see she hasn't forgotten you, old man." The door closed and the singing continued up the stairs.

Stanwood picked up the letter and opened it. An

expression of pleasure crept over his face and broadened now and then into a smile. Finally he laid the letter upon his desk.

"By all that is lucky," he cried, "So Laurel is in Hamp. 'Should be pleased to have you call.' Well! Mum-m-m-m-m! And why not take her to the Prom? What luck!"

Here Stanwood became quiet. He was thinking of the past summer. Thinking of the many hours spent in the company of Laurel Addison, and he listened again to her silvery laugh and charming voice as when she sat beside him on his yacht.

He remembered one song in particular. It was the very one that Parker was singing when he brought this letter from Laurel. It had been a favorite of his, and to please him, she had sung it time and time again. Now an overwhelming desire to hear her sing it once more came over him. He sprang to his feet. "Yes," he exclaimed, "who but Laurel shall I take to the Prom! Of course! 'Tis a go."

The Drill Hall was resplendent with decoration. Flags and bunting everywhere met the eye. Rifles were stacked about the floor. Bayonets and sabres gleamed from the walls, while high up among the rafters the old six-oared shell still told of a famous rowing victory. On the floor, every convenience was to be found in the shape of furniture. Chairs, lounges, and rugs were set off by a wealth of plants and evergreen, and beside all this the brilliant array of gorgeous gowns and pleasant faces added to the scene.

In two corners of the hall, tucked away in back of the cannon, were two respective nooks, charmingly concealed by palm and fur boughs, and fitted with easy chairs.

From one of these Jack Stanwood appeared, the happiest man in college. For was not Laurel Addison by his side? Had he not already danced four times with her, and now was he not to have another? The orchestra broke into a slow, dreamy waltz. He glanced at Laurel, but she was already speaking. "Why, Jack, do you remember this piece?"

"I will never forget it," he replied.

"How long ago," she mused as they started around the hall. "How long ago, and yet it is only a few months. You used to like this song," and with that she began to hum it.

A great peace came over Jack. He finished the waltz in a sort of charm. Far, far away, forever and ever, with this little girl at his side.

"And why not," he asked himself, as they silently returned to the little den among the plants and boughs. By rare good luck it was empty.

"Laurel," he said. "I have a great favor to ask of you."

"Granted beforehand," she smiled. "Anything I can give you is yours."

"Then may I have this," he asked eagerly reaching for her hand.

"What, the fan?"

"Yes. If it brings the hand which holds it."

"Oh, Jack!" and her pretty face grew prettier.

"But you can't refuse me now. You see you granted it in advance."

"Yes, that was a rash statement, and—but—well—no I don't see how I can back out now." She looked up from a confusion of blushes. He was quickly at her side.

At this moment a spray of mountain laurel, flitting down from some decorations overhead, fell in her lap. "Laurel," she laughed, slipping it into her hair. "This must be for me."

"Or for me," said Stanwood.

"You? You have the fan."

"Yes, but have I not won my Laurel?"

"Are you sure you will always want it," she whispered, as he took the spray. "It will grow old and fade."

"Always, dear," he replied. "To me it will never grow old. I shall love and care forever."

She smiled and nestled closer. In an instant Jack's strong arm was about her, his face bent close to hers.

G. H. ALLEN.

COMMUNICATION.

EDITOR COLLEGE SIGNAL:—Your editorial on the 1903 *Index* ought to be engrossed, framed and presented to the *Index* editors for 1904, to hang in their sacred sanctum. Its tone is commendable, and it seems to me, perfectly fair, even to the 1903 editors. Accuracy is a characteristic of high value either in college publications or in men. But I have been an

Index editor myself, and can readily realize how difficult "indexing" sometimes is. No doubt we can all excuse ourselves as did a young man who had been very awkward at the altar, to his bride after leaving the church, "Never mind, dear, I can do it better next time." But it was not the "next time" that interested the bride.

It is one of the easiest things in the world to read proof carelessly. I have even seen evidence of it occasionally in the columns of the *SIGNAL* itself. And a mistake thus occurring is often as bad in effect as if the misrepresentation was intentional. As your editorial well says, the College statistics and the alumni notes and statistics are the chief value of a college publication to the majority outside of the College itself. Now I do not wish to criticize especially the present *Index*. Mistakes of inaccuracy in statistics have been found in other issues of other years. From my own experience I have come to distrust the *Index* alumni list. It is either, I speak of no particular number, inaccurate in its make up, or else woefully behind time in its information.

We cannot help the past. But in behalf of the M. A. C. Alumni club of Massachusetts, and the four hundred alumni who will expect to receive notices and communications from me, or my successor, as its clerk, let me plead with the next *Index* board, and with all future and embryonic *Index* editors—Please do be accurate. Alumni statistics may be hard to get, they are therefore the more valuable. Make them accurate so far as they go. Revise and re-revise. "Keeping everlastingly at it is the price of success," or a good *Index*. If the information has to be a year old when printed, say so, or imitate some of the daily papers which excuse an occasional stale item by saying in a sort of typographical stage whisper, "From our latest edition of yesterday." Then at least the reader knows the value of the information. The need of an accurate alumni list was never greater, and will increase with the growth of the college and with the growing prominence of the graduates.

And yet, having as already mentioned, "been there myself" let me congratulate the 1903 *Index* board on having gotten out an *Index*.

Yours for M. A. C.
F. W. DAVIS, Clerk, M. A. C. A. C. M.

YOUNG MEN'S CHRISTIAN ASSOCIATION.

A movement has recently been made which it is believed will put the work of the Young Men's Christian Association upon a firmer basis, and make it more effective. In the past, the experience gained in the work of the Association by the officers in the Senior class has gone with them upon their graduation, and the succeeding officers have had to depend upon their own thought and effort. Because of this fact, the Association has not grown stronger with each succeeding year as it should have done. In order to bridge over this critical point and to conserve the experience of the retiring officers, the Association has elected an advisory committee. This committee consists of three men, one to serve for one year, one for two years and one for three years, one member to be elected every year to serve for three years. The member the longest in office will be chairman of the committee.

The President of the Association is to make a monthly report to this committee embodying in it the work of the month as reported to him by the various chairmen of committees at the business meeting. These reports will keep the committee in touch with the work of the Association and will be kept on file for future reference.

It is expected that the committee will confer with the Cabinet at different times, and by suggestions aid in planning the work of the departments. They will look over the books of the secretary and the treasurer at stated intervals and see that they are properly kept. It is also expected that they will help in securing outside speakers and by their interest in the Association greatly strengthen its work.

The Association has been fortunate in securing as members of this committee the following men: For one year, Mr. M. B. Kingman '82, who has always been interested in the work of the Association; for two years, Mr. C. W. Marshall, principal of the Amherst High School. Mr. Marshall was connected with the Y. M. C. A. of New Britain, Ct. as a director for several years and is a young man who is interested in young men. For three years, Dr. J. B. Lindsay '83 whose ability and interest in the best welfare of the students of his Alma Mater is well-known. It was under their direction that the recent enjoyable service led by Mr. Huntress of Westfield was given and many other interesting meetings have been planned.

Under these new and favorable auspices and a new board of officers the Y. M. C. A. enters upon a new year of work with a most encouraging outlook before it.

DAIRYING IN EUROPEAN COUNTRIES.

Maj. Henry E. Alvord, chief of the Dairy Division of the Bureau of Animal Industry, delivered an interesting lecture in the chapel last Wednesday evening upon the advancement of dairying in some of the European countries. Maj. Alvord was listened to with added interest as in former years he was first commandant and latter professor of Agriculture at this college.

The nature of the lecture was such that only those present could reap the full benefit of the information given. Maj. Alvord supplemented his address by a large number of exceedingly fine lantern slides. While these were primarily given to illustrate the dairying facilities of France, Germany, Switzerland, Denmark, and Sweden, yet there was a large number showing the buildings, fields, and other views interesting from an agricultural standpoint.

In all of the agricultural schools and colleges that were mentioned, there seemed to be no lack of implements for the farm and dairy, but the laboratories were apt to be very meagre in their furnishings. One could not but marvel at the machinery present in many of the buildings. The dairy stock, at the time of Mr. Alvord's trip, was of a poor quality, owing to the recent discovery of tuberculosis in many of the herds. The barns ranged all the way from the spotless stables of Denmark to the foul and illventilated stalls of Switzerland.

The education at these schools is open to both men and women, the latter often out numbering the former. The course of study, the theoretical part of which balances the practical, is usually of two years duration in France. The object of the schools is to instruct the people in the best methods of farming and dairying, to become teachers of agricultural subjects, and to be able to fill government positions in the lines upon which they have specialized. E. A. B.

FRATERNITY CONFERENCE.

The last meeting of the Fraternity Conference was held Tuesday evening, March 18. Those present were C. A. Tinker, '04, of the D. G. K. fraternity;

R. W. Morse, '02, and H. J. Franklin, '03, of the Q. T. V.; V. A. Gates, '02, and E. G. Proulx, '03, of the Phi Sigma Kappa and H. L. Knight, '02, of the College Shakespearean club. The Conference expressed itself as decidedly in favor of the proposition made by the ladies of the Faculty. This plan consists of holding an exhibition drill by a picked squad some evening next month, the drill to be followed by a military dance. There seemed to be no reason, whatever, why such a program might not make a most pleasant evening for all. The Conference also recommended that the fraternities encourage the committee in charge of the informal dances by advancing the sum needed for the procuring of music till commencement. The committee on a College song book reported good progress and hoped to issue the book very shortly.

Observations & Conclusions

Some little time ago, the observer who sometimes keeps his ears open, as well as his eyes, heard a good deal of complaint among the student body as to a lack of social advantages in which the whole college could have an equal share. It has been with a good deal of satisfaction then, that the editor has watched the enthusiasm with which the fraternity conference has taken up the matter and begun a series of informal dances in the drill hall, and the more than enthusiastic manner in which the student body has worked to make them a success. Why there must have been at least thirty-five or forty couples present at the first dance, and as that was held in the evening thus preventing the attendance of young ladies from out of town, there were more than half as many who danced from five to nine last Friday evening and the surprising part of it is that a good many of the men were really members of the college.

Of course the committee in charge has lost money, but that is of little consequence. They went over and danced. They cannot of course expect that with only two small colleges for women within a reasonable distance, more than half a dozen fellows or so can find partners.

Seriously this thing makes the observer very weary. He has heard nothing but kicks at the committee in charge since the thing began and he begins to fear

that if the same knocking element remains in college, somebody will complain before long as to the amount of the sophomore and junior lab. taxes. Wake up some of you, cut out something else, hunt up your "maiden fair" and show her to us.

It might save a good deal of discussion among the Freshmen if the observer at last divulges a state secret. It isn't surprising that most of the youngsters should be surprised to see a chosen few leave the ranks nearly every drill day, back out into the gun shed, and come back a few minutes later well satisfied with having done an hour's work in five or ten minutes. "The truth is 'children,' that we are supposed to have indoor as well as outdoor target practice. And these are not the men who need practice as you would very reasonably suppose. These are the best shots in the battalion and the object is to cure them of the bad habit of shooting straight by letting them use under charged or over charged cartridges. Or perhaps, the observer is not quite sure, the intention is to give them practice so that they may in time do even better than they do now. 'Not fair to the others.' Dear, dear, have you forgotten the home training so soon? Haven't you even a dim recollection of the quotation, 'For unto every one that hath shall be given, and he shall have abundance; but from him that hath not shall be taken away even that which he hath.'"

College Notes.

—The class of 1902 have selected J. L. Lovell as class photographer.

—Manager Gates of the baseball team is having the diamond graded.

—E. E. Rhodes, C. S. Sykes and J. H. Ladd, 1905, have left College.

—A new piano has been placed in the drill hall to be used at the social dances.

—Maj. Alvord's description of the French students' dress makes us think of some of the outlandish rigs we were favored with seeing last spring.

—J. W. Kellogg, 1900, was given a surprise party on March 12, by a number of friends before he left for his new position at the R. I. State college.

—The following Sophomores have made the Burnham ten: M. F. Ahearn, J. J. Fahey, C. H. Griffin, S. B. Haskell, G. E. O'Hearn, S. R. Parker, A. L. Peck, R. A. Quigley and R. R. Raymouth.

—At a meeting of the basket-ball team held last week M. F. Ahearn, 1904, of South Framingham was chosen captain, E. B. Snell, '03, of Methuen, manager and R. A. Quigley, '04, of Brockton, assistant manager for the season of 1903.

—Professor Babson has posted the list of Freshmen eligible to try for the Burnham four as follows: G. H. Allen, F. A. Bartlett, W. H. Craighead, H. H. Goodenough, F. F. Hutchings, A. N. Swain, R. E. Smith, A. D. Taylor, Bertram Tupper, T. F. Walsh.

—At a meeting of the Fraternity conference held on March 18 it was voted to give the support of the fraternities to the ladies of the Faculty in holding an exhibition drill and dance some time early in April, and that they should recommend Captain Anderson to pick out three squads of eight men each and give them special drill, one squad in the manual, one in the rifle enterprise and the other in the bayonet exercise.

—Maj. H. E. Alvord, chief of the dairy bureau at Washington, delivered a lecture in the chapel last Wednesday evening on "Dairying in Germany, France and Switzerland." He spoke very entertainingly of the Agricultural schools and colleges of these countries and had many good slides to show both of the colleges and views throughout these countries. He described the fantastic clothing which many of the French students wear and told something of the life and customs of the French college men.

—The annual dairy institute held at the close of the winter course took place last Thursday. Prof. W. P. Brooks presided and lectures were given by Professor Cooley of the Massachusetts Agricultural college, Professor Lane of New Jersey, Professor Cooley of our own College and Maj. H. E. Alvord of the bureau of dairying at Washington. At the close of the meeting winners of the dairy prizes for the winter course men were announced as follows: For best butter—1st, F. W. Hall; 2nd, George Weigold; 3rd, C. H. Richardson; for scholarship—1st George Weigold; 2nd, James E. Stultz; for best understanding of use of fertilizers—1st, George Weigold, 2nd, Wal-

ter R. Brigham. In the evening the winter class and professors held a banquet in the Amherst house.

—The first of the series of informal dances was held in the drill hall Friday evening, March 14. About thirty couples were present and all pronounced it to be a very enjoyable time. The patronesses were Mrs. Hasbrouck and Mrs. Babson. The committee in charge was C. I. Lewis, chairman, C. E. Dwyer, W. E. Allen, G. L. Barrus and M. H. West. Music was furnished by the College orchestra, J. W. Gregg as director. The second social dance was held in the drill hall last Friday evening. Owing to the fact that the condition examinations came on Friday and Saturday there were not so many present as at the first one, but the twenty-five couples that were there did not fail to enjoy themselves. Refreshments were served. The patronesses were Mrs. C. Wellington and Mrs. J. B. Paige. The College orchestra furnished the music.

Athletic Notes.

BASE BALL PROSPECTS.

Base ball practice began last week and upon a call for candidates by Captain Paul quite a number of new men came out. With nearly all the old team of last year and the new material the prospects for the season are very bright.

Captain Paul is again at his old place at short. O'Hearn is in the same position of last year at second. Ahearn, who was kept out of the game last year on account of a sprained knee, will most likely play third. Gregg, who played third last year, has been moved over to fill first which was left open by Cummings.

Cook and Pray are holding home, Cook being the more promising, having had three years' experience on the team. Pray is a new man but has a good record which he made last year at Natick High School.

For pitchers, Bodfish, Hunt, J. G. Cook and Griffin. Of these Bodfish is the most promising one, having pitched on the varsity team for three years and has a record that compares favorably with any of the smaller college pitchers. Hunt has not been out to practice owing to an injury received some time ago in the drill hall.

In the outfield Halligan is the only one of last year's fielders left. There are quite a number of candidates for the field, the most likely being Ingham, Quigley, Walker and Merrill.

With these prospects there is no reason why the results of the base ball season should not be similar to that of the foot ball season.

Alumni.

'82.—Charles L. Beach who was to speak at the farmers' institute which was held in the chapel Thursday, March 20, was unable to do so on account of severe illness.

'95.—H. D. Hemenway's address was incorrectly given in the 1903 *Index*. In a letter to the editor he says: "I am director of the School of Horticulture, Hartford, Conn. This is as much under a different corporation from the Watkinson Farm School as the *Index*, as M. A. C. and Amherst College, and about half their distance apart."

'95.—C. B. Lane spoke very interestingly on "The Production of Milk for Retail Market," at the Institute. Mr. Lane is at present connected with the New Jersey experiment station.

'95.—Stephen P. Toole will move from Boston to Amherst and engage in the nursery business.

'00.—James W. Kellogg was pleasantly surprised at his home Wednesday evening, by a visit of about twenty-five of his friends. Mr. Kellogg left town Thursday for his new duties at the Rhode Island experiment station.

Ex-'03.—F. W. Webster lately made a short visit to his college friends.

Ex-'03.—P. H. Bowler is spending a few days at the college. He has signed with the Springfield baseball team for the coming season.

Department Notes.

LIBRARY.

The Book of the Greenhouse by J. C. Tallack. This book, like the other books in the present series is the work of a practical gardener. Mr. Tallack having been engaged in the horticultural work during most of his adult life. The book first describes the structure of a

typical greenhouse with its internal arrangements. The different classes of plants are next taken up and described as to management; so that one who wishes to understand practical gardening will find this book very interesting and instructive.

The Bridle Bits, a treatise on practical horsemanship, by Col. J. C. Battersby.

A Gentleman's Stable Guide, by Robert McClure, M. D., V. S.

Hints to Housekeepers, by Henry W. Herbert.

Home Park Making, by A. W. Fulton.

Practical Log Training, by S. T. Hammond.

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The New Egg Farm, or the Management of Poultry on a Large Scale for Commercial Purposes, by H. H. Stoddard.

Training the Trotting Horse, by Charles Marvin.

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Profits in Poultry, Useful and Ornamental Breeds.

The Sheep, by Dr. William A. Rushworth. A historical and statistical description of sheep and their products.

Principles of Dog Training, by W. C. Percy.

Animal Breeding, by Thomas Shaw.

The St. Bernard, Its History, Points, Breeding and Rearing, by Hugh Dalyel.

American Horses and Horse Breeding, by John Dunon. A complete history of the horse from the remotest period in its history to date, etc.

Asparagus, Its Culture for Home Use and for Market, by F. M. Hexamer.

The Zoological Record, volume the thirty-seventh, being records of Zoological literature relating chiefly to the year 1900, edited by David Shary, M. A., F. R. S., F. Y. S., etc.

Profitable Poultry Keeping, with original illustrations by Stephen Beole.

The American Farmer's Horse Book, by Robert Stewart, M. D., V. S.

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The Pruning Book, by S. H. Bailey.

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The Grape Culturist, a treatise on the native cultivation of the native grape, by Andrew S. Fuller.

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Fisheries, Game and Forest Commission.

The Isthmus of Darien, journal of the expedition of inquiry for the junction of the Atlantic and Pacific oceans, by Lionel Gisborne.

The Dog, Its Management and Diseases, by Woodroffe Hill.

Injurious Insects of the Farm and Garden, with a chapter on beneficial insects, by Mary Treat.

Dogs, Their Management and Treatment in Disease, by W. C. Percy.

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Editorials.

WITH the event of this issue, the new board of editors of the COLLEGE SIGNAL take up the responsibilities which go with the editing of a college paper. We fully realize the significance of our position and the trials which may be in store for us. It is at this time that we would make an earnest plea for the co-operation of the student body in this task. The SIGNAL as the organ of the Institution should receive the unstinted support of each individual connected with the college. Its pages should not contain merely the contributions of the board of editors; such a plan fails to properly set forth the sentiment of the students and the paper therefore fails in its primary object. The competition at the end of the year for places on the board should not be the only incentive for contributing to our columns, neither is the student's duty fulfilled when he has paid his yearly subscription. It will be our policy to keep in close touch with the needs and sentiments of the student body and to use our efforts in the promotion of the best interests of the Institution.

As a matter of justice we take the liberty at this time to congratulate the members of the outgoing SIGNAL board for their efficient work during the past year. This has been perhaps one of the most trying years ever experienced by the editors of the paper at this college. From the first, the agitation which resulted in the change of name from the AGGIE LIFE to the COLLEGE SIGNAL has kept the board in hot water. Mr. Knight has, however, answered the many challenges, through the editorial columns in a most thorough and forceable manner leaving little ground for argument. In his last few issues he has nevertheless taken a stand which we cannot commend. Although the 1903 Index may have shown defects yet other publications of the sort have had the same fault, furthermore we do not recommend the policy by which one publication denounces another of the same Institution. At a time too when the Index was on sale a severe criticism of this sort was unfortunate. For the work of Mr. Claffin as business manager we can have but words of praise. The paper was never in better financial circumstances than at present, notwithstanding

the fact that the SIGNAL has given generously to the athletic association, and to the Junior Prom. committee, besides offering a liberal prize for the much needed college song. The departments which have been represented by other members of the class of 1902 have been well written up. Altogether the paper has been highly successful and reflects much credit upon these men.

For sometime we have been waiting the verdict of the judges, chosen to act on the recent college song contest. It is with some surprise and no little disappointment that we learn that out of the number of songs presented none have been deemed worthy of acceptance. It has been decided to continue the contest, the time limitations of which will later be made known by the committee in charge. It is earnestly hoped that the action of the judges will not discourage those who have tried but will on the other hand stimulate them to renewed efforts. It is also hoped that many who have not already tried will do so as the matter should appeal to every loyal student and alumnus as well as all interested in the welfare of the college. The need of a good stirring, college song is obvious to everyone. It seems beyond belief that an institution of this kind, possessing the musical talent which it does should go so long without a single song which it can strictly call its own. This can be said of but few colleges, and even smaller institutions of learning, yet one should not harbor the thought that such a production is the easiest thing in the world to accomplish. Many of the songs presented have been too much along special lines as athletics, etc., others have contained weak passages, faults in meter, have laid undue stress on minor points of college life and in short have failed to materialize the thoughts which would make the production at the same time popular and long lived. It should be understood that the contest is open to everyone whether a student or not and that all contributions will be gratefully received and carefully considered.

BASKETBALL.

The basketball season is a thing of the past and before turning our attention altogether to baseball we take pleasure in devoting a portion of this issue to the team, which considering the circumstances under

which it was placed has given such a good account of itself. Basketball in this College has been up to this time so much of an experiment that when the matter was broached at a mass meeting early in the winter it was voted down and for some time it looked as if the students would take no further action concerning it. Later, however, when the season was far advanced and when it would seem that such an action was hardly practicable, it was voted at another meeting to organize a team which was to be supported by a tax levied upon the student body. Owing to the fact that the College was not represented in basketball during the season of 1900-1901 and the consequent lack of old players it was no easy matter to select a team. To augment the difficulties, Mr. Belden, as manager found he was unable, on account of the lateness of the season, to close dates with the more desirable college teams.

The outcome has, nevertheless, been all that could be hoped for and it is reasonable to believe that the game will henceforth be installed as one of the regular athletics of the College. Until, however, one circumstance is removed, it will never receive the support which it deserves. At present it is unrecognized by the athletic board and therefore besides receiving no financial support from that organization the players do not become entitled to the "M."

Basketball has developed into more than a girl's game; the time has come when, as in the case of every other branch of athletics, every effort must be taken on the part of a college if a winning team is to be placed on the floor. It can be seen at a glance that the recognition by the athletic board would add a great stimulus to the undertaking here.

As a means to this end it would seem advisable to represent the College in the New England basketball league. Such an action on the part of the management could prove but beneficial principally for the reason that it would bring about a more desirable schedule.

Nothing can be more discouraging to the management than to be obliged to fill dates with inferior teams and the moral effect upon the men in such a case is bad to say the least.

In taking a resumé of the season we see that notwithstanding the adverse conditions the usual Massachusetts luck, if it may so be called, has prevailed and

that our showing has been equal to any of the smaller New England colleges.

Of the eight games played, five have resulted in decided victories for us, while the other three were characterized by excellent individual and team work.

The games have been cleanly played, save in but one instance, and the last trial with Amherst was especially so.

Following are the individual records of the members:

J. M. Dellea, captain of the Massachusetts basketball team for the season of 1901-1902 served on his class team during his Freshman and Sophomore years at College and also played in the positions of forward and guard on the varsity in the season of '99-'00.

This season he has the distinction of throwing the largest number of goals and his brilliant work as player and captain have won for him well-earned praise. Captain Dellea is 21 years of age, weighs 140 pounds and plays right forward.

E. F. McCobb played on the Milford Y. M. C. A. team before entering College. He held the position of captain of the Varsity during the season of '99-'00. By his graduation in June the College will lose not only a good basketball player but a jealous worker for the athletics interests of this College. McCobb is 22 years old and weighs 140 pounds.

J. C. Hall played in the position of back during his freshman year and center during his Sophomore year at College. During the past season he has filled the position of center in a very satisfactory manner. Age 21 years, weight 158 pounds.

J. G. Cook is 21 years of age and weighs 150 pounds. He served as captain of the class team of 1903 for two years, and has acted as substitute center on the Varsity.

E. B. Snell had no experience in the game previous to entering College and in his brief appearance in the Wesleyan game he barely had time to forget his more strenuous football tactics. Age 22, weight 190 pounds.

M. F. Ahearn was inexperienced in the game previous to this year but has shown himself of the right material. His coolness, good judgment and agility making him a very efficient man. Mr. Ahearn is 22 years old and weighs 145 pounds.

E. S. Fulton is 23 years of age, weighs 150 pounds

and plays in the position of guard. He played guard and acted as captain of his class team, and previous to entering College was a member of the Lynn Y. M. C. A. B. B. team.

R. A. Quigley played one season in the intermediate Y. M. C. A. team of Brockton and during the season of '01-'02 as left forward on Massachusetts. Age 19 years, weight 165 pounds.

C. L. Whitaker has had no experience in the game before this year. He has filled the position of right-guard in a very satisfactory manner and will doubtless give a good account of himself in another season. Age 19 years, weight 165 pounds.

J. H. Belden deserves much praise for the successful manner in which he has acquitted himself as manager. He has shown great ability in piloting the team through a difficult season. He has also made himself conspicuous as an impartial and reliable referee.

Following are the statistics of the team:

name	no. of games played	goals	goals fouls	position
Dellea (Capt.)	8	13	13	Forward
Ahearn	4	7		"
Pierce	1			"
Quigley	5	11		"
Cook	2			Center
Hall	7	10		"
Whitaker	3	1		Back
Fulton	7	10	1	"
McCobb	6	7		"

Scores:

M. A. C.	26	Nrothampton Y. M. C. A.	13.
"	12	Amherst	18.
"	42	Ludlow	15.
"	26	Hartford Y. M. C. A.	17.
"	20	Parish House	40.
"	16	Trinity	14.
"	22	Amherst	36.
"	27	Wesleyan	24.

191 Total 177

CONSERVATISM IN OUR COLLEGE.

We see the extremes of liberalism and conservatism entering into all the affairs of human thought and life. They are two opposing elements which were meant to check and counteract one another. When they do counteract one another, affairs progress naturally and

smoothly. When liberalism obtains full sway, confusion and disorder are apt to result. When conservatism is carried to an extreme, growth is checked and progress impeded.

Anyone who is thoroughly acquainted with the affairs and curriculum of our college will admit that too much conservatism is shown by our trustees and faculty.

Our curriculum has been raised to a higher standard during the past few years, but how slow and how small has been the advance compared with what might have been done with a little more liberalism.

Other colleges have electives in three years of the four years' course; we have only one. A large percentage of our undergraduates have to work their way through college by hard manual labor. Is it right that they should be obliged to practically waste so large a part of their time on subjects which they will never use? Our men, by the end of the Sophomore year, are thoroughly capable of choosing what they will take up.

The faculty realize this. They are hearing complaints almost daily. Everyone realizes it who has any knowledge of the matter. Why is class after class made to take up so much superfluous work, and compelled to leave behind so much of what they really want? Is it because those who have the power to change this have no interest in the welfare of the college? Let us hope not. However, there is wrong somewhere. Our college cannot make the progress we would like to see it make until we have Junior electives.

Those who have the power to change our curriculum are committing a crime against the state, against the college, against each individual undergraduate, and against the trust reposed in them by letting this matter slide along. Is there not some man or body of men who will look into this matter thoroughly? Is there not some way in which we can bring about this much needed change?

There is another change we would like to see. Zoölogy should be made a Senior elective. In the Junior year it is not only a popular study, but also an interesting and helpful one. The only difficulty is that one who is interested in it cannot get enough in the Junior year to make it worth his while.

We do not wish to criticize either the faculty or the trustees, but we do wish that a more progressive spirit might be in evidence.

WILL-O'-THE-WISP.

As I pondered of the morrow,
Of the life of toil, and sorrow,
Of ambitions seared and blasted,
Of high hopes, now long dismasted,
Suddenly I saw before me,
Tantalizing, mocking at me,
Will-o'-the-Wisp, that men bewitcheth,
And leaps into swamps and ditches.

A light I saw,—a ball of fire,
That raced and pranced, with mad desire;
Glancing, dancing, running, turning,
Doing everything but burning,
Gazing spell-bound, wonder growing
At this sphere of something glowing
As it went on, skipping, skipping,
Aurora scarcely but eclipsing.

Thus this light held me hypnotic,
With its brilliancy despotic,
With its varying presence,
Phenomenon of phosphorescence!
Thus 't was seen, infernal vision!
Who can tell what here its mission?
Whence it cometh, whither goeth,
That no mortal ever knoweth.

But then the Goddess of the Day,
Vexéd by this bold display,
By this impudence so glaring
To outdo her legions daring,
Brought forth all her rays of brightness,
Swept from view with radiant lightness,
This prancing, dancing, bragging light,
That held me still, and fix'd my sight.

And to-day, new courage taking,
I'll the most of life be making
In the work-day world of toil
With its strenuous turmoil.
I'll not ponder on the morrow
As a day of care or sorrow,
But a chance for new endeavor,
Something then to do,—or never.

H. H. G.

Amherst will send to team this year to the inter-collegiate gymnastic contest to be held in Philadelphia March 21. The colleges and universities of the association are: Yale, Harvard, Princeton, University of Penn., Columbia, Amherst, Rutgers, Haverford and New York University. The events will include contests on the horizontal and parallel bars, side horse, flying rings, tumbling and club swinging.

A VISIT TO NIAGARA FALLS.

One of the attractions of the recent Pan-American Exposition was the nearness of Buffalo to Niagara Falls and the ease with which visitors to the exposition could visit the Falls. A friend and I while visiting the exposition, the past summer, set apart one day for seeing this famous sight.

We took a boat on the river at Buffalo and enjoyed a ride of several miles down the wide Niagara river, with the picturesque scenery that lined both banks. We landed on the Canadian side of the river, about three miles above the falls, where electric cars were waiting for the boat. The person who has never been outside of his own country, experiences peculiar sensations at first setting foot on foreign soil, he is overcome with a certain pride for his country, and has the desire to let it be known that he is an American and is proud of the fact. The car carried us through a pretty country, with its broad fields and old farm houses. I remember one old house in particular. It was an old brick house, set back some distance from the road and of the colonial type of architecture, while around it were several old trees. I connected it with stirring events in the early history of the country. The river was at times out of sight from the car line, but each time it came in sight there were eager glances in the direction of the falls. At last we discerned the rapids in the river, just above the falls, and from that moment all interest in the rural scenery was lost. We left the car at the falls. Although pictures of this grand sight are common, still the visitor who has seen a picture of Niagara Falls is not prepared for the glorious falls themselves. Surely it is one of the greatest treats that nature has prepared for the admiration of man, in this great land of ours. The great mass of water as it is hurled over the precipice in one great avalanche, then rising again in clouds of fine white spray, while the air is filled with a sullen roar as of distant thunder, makes an impression on the visitor that he will remember a lifetime. And as one stands enraptured by the wonderful sight, he experiences a feeling of respect and awe for nature perhaps never felt before. As we stood looking at the falls, the sun which had been hidden, broke through the clouds, and we were favored with a sight of the rainbow, the crowning beauty of Niagara.

After feasting our eyes on the grand sight we again took the electric cars and rode down the river, sometimes running along near the brink with the river flowing a hundred feet below us. We passed the famous whirlpool whose comparatively smooth surface little looked as though it covered those treacherous currents which caused the death of the English captain, who tried to swim the whirlpool some years ago. Some miles below the falls we crossed to Lewistown and began our trip up the American side. On this side the cars pass in some places near the water. The color of the water below the falls is a light green, a shade so uncommon as to attract the attention of a visitor. As we waded the rapids on our upward trip, we were greatly impressed by the wild scene below us. The angry mass of water is hurled from one rock to another, while the cloud of spray almost wets the traveler in the car, which at this point runs near the water. The effect is heightened by the fact that the car is going up stream, and the mass of water seems to be rushing down onto the spectator.

We recrossed the river to the Canadian side at the falls and stopped to take one more look at the impressive sight. We watched with a good deal of interest the little steamer the "Maid of the Mist," which carries passengers almost to the very foot of the falls, so near in fact that they are obliged to wear rubber clothes to protect them from the mist. It seemed as she approached the falls, rocking in the turbulent water, as though she would be swamped, but she kept bravely on till forced to turn back. Some of the more adventurous ones procure suits of rubber, and pass under a certain part of the falls, but we were content with watching them at a distance. After leaving the falls we took the cars to the boat and thence back to Buffalo.

A DREAM.

I had been collecting for several hours, and, becoming tired, had sat down upon the bank of the pond to rest. The sultry atmosphere soon began to work upon me. Things of this world grew dimmer and dimmer until, at length, I reached and entered the misty portals of Dreamland.

As I dreamed I seemed no longer a man, but a fly—a beautiful creature, tinted with pretty colors which glistened as I sat upon a stalk of grass by the water's

edge. Upon my back I bore two wings of gauze. The metallic reflections of my body, as I sat in the sun, touched my aesthetic taste, but when I found that with but a little exertion I could flit from grass to weed, or even across the pond and back, my delight knew no bounds. I darted hither and thither. In disdain I passed over the smaller insects. Their very ugliness lent to my beauty and I gloried in the fact. Here and there I would pause and glance with con-celled eye upon my beautiful form. As once I was pausing thus, a peculiar noise reached my ears. Indistinct at first, it grew louder and louder. I was at loss as to its origin until, from the uniform whirling sound, there suddenly came the noise of crumpling paper. Then did my heart grow faint and my head dizzy. Well did I know that none but my most deadly enemy, the dragon fly, could make a noise like that. Scarcely had I hidden myself beneath a blade of grass when he whizzed into sight and, as if to frighten me more, paused in his flight directly above me.

Even in my fright I could not but admire him. So rapidly did his four papery wings vibrate, I could with difficulty distinguish them; his huge eyes seemed to pierce my very retreat; his lower lip lowered and rose like a large sac, while his immense jaws, lined with long sharp teeth, opened and shut as if hungering for something which they might devour.

Suddenly, with downward sweep, he flew to a nearby weed as if intending to light, but, even as his feet were about to touch it, a sense of danger seemed to have seized upon him. With a quick movement he drew back, scrutinized the plants and the surroundings; and then, as if assured of his safety, slowly drew near again and finally lighted. His long tapering body was the most beautiful that I had ever seen. Aloft his back ran a stripe of shining black while his sides were of a pure azure blue which shed the rays of sunlight in a most striking manner.

So quietly and so long did he cling to that weed one might easily have imagined him a flower or some abnormal growth of the plant upon which he rested. In fact I began to still my fears and thought that he was taking his afternoon nap. It seemed hard that I should spend the pleasant hours of sunlight in hiding while I might be flitting lazily about among the flowers. My desire overcame my prudence. Slowly I crawled along the edge of my retreat until I reached a

clear place and then, quick as a flash, I flew as swiftly as I could for the opposite bank.

But alas! Hardly had I covered half the distance when again I heard the whirring of those powerful wings. I strained every nerve. I sought a speedy retreat, but where could I hide? With water below and sky above there was no hope. I could now feel the vibrating air set in motion by his wings. I could see those monstrous eyes, those yawning jaws. Once more I put forth all my remaining strength but nothing could save me now. I felt that lower lip enclose about me; the jaws came together with a snap, and tore a cruel wound in my body.

Thinking only of his coming feast, he swiftly flew toward the bank. I was faint and dizzy with pain and the rapidity with which we were moving and was almost unconscious when there loomed up upon the bank a huge monster—a monster such as I had never seen before. He had four legs upon two of which he was walking while in one of the others he carried a long stick of timber at the end of which was attached what seemed to me a huge bag of gauze. With a sudden sweep of this extraordinary contrivance, the monster whipped it over us and we found ourselves tightly confined.

In his fright my captor released his hold upon my body and began to fight for his escape, while I—I awoke.

Observations & Conclusions

It has just come to the observer's notice that two unfortunate members of the Sophomore class have "flunked" the condition exam in "Zoötechny". This is all the more ridiculous because the class in that subject, during the greater part of last term, used for a text book "Miles Stock Breeding." It is even current among the student body that one member of the class has been dropped into 1905 on account of said "flunk." The observer hastens to say that while not pretending to any great amount of worldly wisdom, he is not quite so "easy" as to believe that the faculty as a body would go so far as even to threaten to drop a man with so little an excuse. Of course the faculty must have its little joke, but the observer thinks that its members can realize as well as anyone, when the fun is in danger of becoming serious.

About this course in Stock Breeding we have had it in mind for some time to say a word. The observer thinks that four or five months is too long a time to waste on such a comic supplement as is "Miles Stock Breeding." He is glad to know that "a man who stubs his toe during middle life can usually find on investigation that his forefathers in the female line have probably done the same thing before he was born" and that "the bearing of triplets, sextets, duodecalets, etc., is a disease which may descend from father to son" but he does not need two or three weeks of recitations to make him know it. It is interesting to know that the offspring of Shropdown running horses takes its sex from that of its parents" but to take three or four chapters to prove the fact seems a bit absurd. And again the observer can believe the assertion that a "hinny is a cross between a mule and a jack-rabbit" without its being necessary for Prof. Miles to use a gallon or so of printer's ink in order to prove it to him.

The whole trouble with the book is that it takes up some four or five hundred pages in making assertions, proving them, denying their truth, and finally proving the denials. Here is the usual way it puts the subject:—"It was formerly supposed that—etc.—etc.—a chapter of proofs—But this is a wrong supposition—etc.—a chapter proving it wrong"—for it is now known that—ect.—another chapter of proofs—Another hypothesis is that—etc." and so on, and so on. There is some valuable information in Prof. Miles' book, but it could all be printed on the reverse side of the semester card, and the observer respectfully recommends that course to the faculty in lieu of wasting so much time every year over the whole book.

Some one has told the observer that "Prexy" can feel for a man who "flunks" in mathematics, but sympathizes not at all with him who fails to pass an examination in "agriculture." Of course, "Prexy" never flunked in the latter for he never studied it. For his information and for that of others unacquainted with Prof. Miles' book the observer will state that he personally would rather stand three examinations in "mathematics" than one in "stock breeding" trusting merely to knowledge, and not at all to luck or the

generosity of the professor in charge. The only reason why there are so many more "flunks" in the former is that nothing but an answer to the question asked, counts in making up the mark in a mathematics examination. This will come to you after a while. Think it over.

The unlucky candidate for examination in Prof. Miles' crazy quilt of denials, proofs, and examples becomes so completely muddled over former suppositions, present hypotheses, and future beliefs that the only cause for wonder to the observer is the fact that the professor in charge can glean questions enough from the book capable of being answered by any member of the class. The observer is in fact surprised that anybody has ever succeeded in passing an examination on the subject. That some have done so is due undoubtedly to Prof. C—rather than to Dr. Miles. This last will come to you too when you are in on the other one.

BASEBALL.

AMHERST, 5; MASSACHUSETTS, 3.

Massachusetts met Amherst in a practice game at Pratt Field Saturday and lost by the above score. The game was close and interesting and was not decided until the last half of the seventh when an error, two hits and good base running netted Amherst three runs and gave her the game. Although the game was over when the winning run was made, by agreement the game was continued until the third put out had been made. Before this was done another Amherst man had crossed the plate. The score by innings:

	1	2	3	4	5	6	7	R	H	E
Amherst,	0	2	0	0	0	3	5	4	1	
Massachusetts,	0	0	0	1	0	2	0	3	5	3

BASEBALL SCHEDULE.

April 11—Amherst at Amherst. (Practice.)
14— " " "
19—Open.
22—Amherst at Amherst.
24—Bates at Amherst.
26—Springfield at Springfield.
May 3—Millers Falls at Millers Falls.
10—Trinity at Hartford.
14—Williams at Williamstown.
16—Bowdoin at Amherst.
19—Univ. of Maine at Amherst.
24—Open. (Pending with Greenfield.)

26—Dean at Franklin.
 27—Bates at Lewiston.
 28—Univ. of Maine at Orono.
 29—Open.
 30—Open.
 June 7—Boston College at Amherst.
 14—Wesleyan at Middletown.

College Notes.

—Baseball.
 —Dr. C. Wellington has been sick for the past week.
 —Arthur Frost, '00, of Boston, spent a few days in town last week.
 —H. L. Barnes, '04, has returned to college after an absence of over five months.
 —D. L. Cleaves, formerly instructor in chemistry, has assumed his duties at the Hatch Experiment Station.
 —Fully one-half the men in college are taking advantage of the cut system to prolong their Easter vacation.
 —The senior class in Horticulture are doing a little practical landscape gardening at Mr. Dickinson's north of the college.
 —The new rule that all books to be renewed must be brought to the library at the time of renewal is being rapidly enforced.
 —Three squads of eight men each are to be picked out of the companies sometime this week for an exhibition drill to be held the latter part of this month.
 —We are glad to announce that R. P. Gay, proprietor of the college store, has decided to keep his store open at regular hours: 12.30-1.15 and 6.30 to 8 P. M.
 —The pamphlet of college songs compiled by the Fraternity conference will soon be issued and then let us hope we will hear singing around college from morning until night—yes and a good share of the night too.
 —The junior class have been allowed a choice between taking Chemistry or Geology for the remainder of the semester. Eighteen out of twenty-two men chose Geology, showing the popularity of that department.

—Dr. C. S. Walker lectured before the Hampton Pomona Grange at West Springfield last Wednesday.

—H. A. Ballou, '95, is carrying on a series of experiments under the direction of Dr. Stone to determine the exact effect which illuminating gas has upon trees. The idea in view is to devise some way in which the destruction of shade trees by leaks in the gas mains may be stopped.

—The next Informal dance will be held in the drill hall next Friday evening from four-thirty to nine o'clock. As the dance is to be preceded by a baseball game with Amherst College a large attendance is assured. All students, alumni, and members of the faculty are urged to come.

—Surveyors have been busy about the college the past two weeks laying out the plans for the location of the new Boarding House and heating plant. The Ravine also is to receive its share of attention and we have heard it said that when the work is completed the Ravine will be one of the prettiest bits of scenery in all Massachusetts.

—Why is it that certain departments connected with the college can hire outside men and not have work for students or why can they turn students out of their work to make places for outside men? These departments were instituted in order to aid the student in earning his way through college and it would seem as though the student labor ought to have precedence.

Alumni.

'71.—William H. Bowker, President of the Bowker Fertilizer Co., has five graduates of this college in his employ. We speak of this to show how one of our loyal alumni is standing by the college and is helping its graduates.

'72.—John W. Clark of North Hadley, Mass., has been in Maine, on Institute work, recently.

'73.—One of the Yale Bicentennial Publications recently added to the college library is entitled "Two Centuries' Growth of American Law." The book is by several members of the faculty of the Yale Law School. Chapter XIII on Criminal Law and Procedure is by James H. Webb of the class of '73.

'82.—Herbert Myrick is joint author with J. B. Killebrew, Ph. D., of an exhaustive treatise on

tobacco leaf. It is an attractive, profusely illustrated book of about 500 pages published by the Orange Judd Company.

'85.—C. S. Phelps has resigned his position as Professor of Agriculture and Agriculturist at the Connecticut Agricultural College and experiment station.

'90.—C. H. Jones, chemist at the Vermont Experiment Station, recently appeared taking a prominent part in a minstrel show given by the "Ethan Allen" club at Burlington, Vt.

'92.—C. M. Hubbard, an extensive tobacco grower of Sunderland, is testing the value of soil sterilization in tobacco seed-beds, under the direction of the Hatch Experiment Station.

'94.—A. H. Kirkland, of Malden, visited friends in Amherst recently.

'95.—H. A. Ballou requests that any change of occupation or address or any other item regarding any member of his class be sent to him in order that they may be published and preserved.

'95.—Maurice J. Sullivan, superintendent of the "Rocks Farm," Littleton, N. H., has been in town recently looking for an assistant.

'95.—Stephen P. Toole has the position of gardener for the country club for the coming summer.

'95.—E. A. White, assistant horticulturist at the Texas Agricultural College and experiment station, is a candidate for the position of horticulturist at that institution.

'97.—George A. Drew, who has so well filled the position of superintendent of the horticultural department at the college, has been recommended for and is considering a responsible and lucrative position on a large coffee plantation near Vera Cruz, Mexico. The plantation comprises 75,000 acres of land.

'99.—Daniel A. Beaman, who has been in the box manufacturing business in Leverett, Mass., is returning to teach in Barre, Mass.

'00.—H. S. Crane of Ellis, Mass., visited friends in Amherst recently.

'01.—Wallace R. Pierson was a prominent figure at the carnation meeting recently held in Indianapolis and read a paper on "Sterilized Soil for Stem Rot." The *American Florist* for Feb. 22, 1902, contains a half-tone photograph of Mr. Pierson with a short sketch of his career together with an abstract of the above mentioned paper.

'01.—A. C. Wilson, assistant to S. O. Miller, consulting engineer, Columbia Ave., and 35 Nassau St. Address 507 Manhattan Ave., New York City, N. Y.

Department Notes.

At the beginning of the present semester a progressive step was taken in the establishment of a special laboratory for post graduate work in Zoölogy. There is now offered a splendid opportunity for advanced work in this subject. And from this experiment we have every reason to expect satisfactory results.

The lecture room in South College has been chosen for the location of the Laboratory, and one finds himself almost a stranger now, who was accustomed to the room three months ago. Two large tables are used, each capable of seating two men, and supplied with Bausch and Lomb compound microscopes, dissecting microscopes, complete sets of dissecting instruments, a large variety of glassware, reagent bottles, tender dishes, watch crystals, etc. There is one large paraffine bath for general use, two microtomes, and highest power objectives for microscopes, and also a Zeiss Camera Lucida. A large collection of sea forms is preserved in formalin, which together with the Museum but a few steps away, makes the Laboratory almost an ideal place for the accomplishment of good work. A bookcase filled with the best reference works, with the "Journal of Applied Microscopy," supplies the graduate student with the necessary reading close at hand. In a word, it is a well equipped Laboratory, with opportunities for good and careful work at convenient disposal.

The work thus far has included the zoöphyta in Sponges and Polypes, the Jelly-fish and Sea-anemones. Every Saturday afternoon a *Seminar* is held, conducted by one of the students or Prof. Lull. The first talk was given by Prof. Lull on the "Sponge Industry;" the following week Mr. Morrill spoke of "Corals and Coral Islands;" these were followed, in their turn by "Deep Sea Fishing," Mr. Billings; and "Luminescence in the Animal Kingdom," Prof. Babb. Prof. Loomis of Amherst College is to conduct one of the meetings sometime in the near future. Two lectures a week are given by Prof. Lull on "Embryology" of the forms studied, with an occasional lecture on the "History of Zoölogy." Altogether it makes a practical, interesting, and very instructive study, and is worthy the attention of any who desire further scientific research.

LIBRARY.

How to Plan the Home Grounds, by Samuel Parsons, Jr., ex-superintendent of parks, New York city.

House Plants, and How to Succeed with Them, by Lizzie Page Hillhouse.

Memoirs of the Philadelphia Society for Promoting Agriculture, volumes two and four.

Ginseng, Its Cultivation, Harvesting, etc., by Maurice G. Kalns.

How to Grow Chrysanthemums, compiled from the volumes of American Gardening, by the Staff.

The Laboratory Companion to Fats and Oils Industries, by Dr. J. Lewhowitsch, Ma., F. I. C.

Irrigation Farming, a handbook for the practical application of water in the production of crops by Lute Wilcox.

Canning and Preserving, by Mrs. L. T. Roser.

Tobacco Leaf, Its Culture and Cure, Marketing and Manufacture, by J. B. Killebrew, A. M., Ph. D.

United States-Japan Expedition, by Com. M. C. Perry, three volumes.

Complete Works of John Fiske, an excellent edition.

Notes on the Bacon-Shakespeare Question, by Charles Allen.

A Study in the Warwickshire Dialect with a Glossary, by Appleton Morgan, A. M., L. L. B.

The Cider Makers' Handbook, a complete guide for making and keeping pure cider, by J. M. Trowbridge.

Shakespeare, a new variorum edition, edited by Horace Howard Furness, Ph. D., LL. D. The first volume contains the text, with a collection of the texts of the Quartos and Folios, and of some thirty modern editions, together with notes and comments from the editors whose texts are collected and added to these, such verbal and grammatical criticisms from other quarters. In the second volume is given a reprint of the Quartos of 1603, a history of Hamlet, a translation of a curious old German tragedy called "Fratricide punished, or Prince Henry of Hamlet"; then comes the English critics, and a discussion of the one great insoluble mystery of Hamlet's sanity, etc. There are twelve large volumes in all.

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INTERCOLLEGIATE.

Yale and Harvard debate on May 12 at Cambridge. Amherst intends to join with Princeton in a dual track meet soon.

Nebraska will pay a salary of \$2,000 this year to her football coach.

Harvard has the largest faculty in America. It consists of 337 men.

Mt. Holyoke has a faculty of 66 members and a student body of 611 members.

A loss of \$200,000 was sustained by the burning of Hutchinson dormitory at Yale recently.

Yale is to meet University of California in track athletics sometime in May. The meeting is to be at New Haven.

On the All-American football teams for the last ten years, Harvard has had 29 representatives, Yale 28, Princeton 23 and Pennsylvania 19.

President Eliot has shown in his annual report that the successes and failures in athletics of a year, do not change the size of the next year's entering class.

Oberlin College has raised \$204,000 toward an endowment fund of \$500,000; \$200,000 of which will be given by John D. Rockefeller if the remaining \$300,000 is raised.

Professor North, who has been professor of Greek at Hamilton College for 57 years has resigned. It is said that Professor North was personally acquainted with every living alumnus.

Spring football practice at Columbia has begun with the object in view of developing the individuals rather than the team. Columbia's outlook on the gridiron for the coming season is excellent.

On May 24 there is to be held an interscholastic track meet in New Haven. The meet is to be held under the auspices of Yale and among the schools invited to participate are: Mount Hermon, Williston and Vermont Academy.

The fact that Professor Russell of the State Normal School has declined to accept the presidency of the collegiate department of Clark University because as he says it is a "moneyless college" certainly places the institution in an unfortunate light.

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The new dispensary building for the medical school of Yale will soon be ready for occupancy. In chemical work the old dispensary has done service for more than 17,000 consultations.

Rockefeller has given Harvard \$1,000,000 for the erection of medical buildings. The gift is with the condition that half that sum be raised by the college. This amount together with the million given by J. P. Morgan last June, will make \$2,500,000 to be spent for this department of the university.



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Editorials.

ONCE more the tennis courts around college have been put in condition for use and once more we see the fascinating game entered into with the same interest as of old. It would seem that at this time it would be well to instigate a series of interclass or interfraternity games to be played off during the latter part of the semester. We have ample material in college to make a tennis tournament possible and there seems to be no reason why an interesting series of games could not be arranged.

THE action of the Faculty in allowing the students a short period after prayers once each week in which to rehearse college songs is to be commended. Although there is plenty of singing about college there is a marked inability on the part of the students to sing even the more common college songs en masse. So it is, that although there is plenty of enthusiasm shown at our games there is a lack of singing which generally characterizes such events. The need of such a pro-

cedure as is now being carried out has been manifest for sometime and we hope it will meet with the success it deserves.

WE learn with pleasure that there is a scheme on foot to further beautify the college grounds. We can conceive of no place where natural conditions would so aid the landscape gardener to make a beautiful estate as here. We are especially glad to know that the ravine is to receive its share of attention. Certainly it deserves it for where, for miles around, could there be found such an ideal spot if it were but given proper improvement? The SIGNAL, however, would respectfully suggest that steps be taken to stop the pollution of the brook which flows through the ravine. It is not only a nuisance but a menace to health and it is time that a decided action should be taken concerning the matter.

By a recent act of the Legislature the sum of \$70000 has been appropriated with which two much needed buildings will be erected on the college grounds.

Already plans and specifications are being made and it is safe to state that by next September they will be well towards completion. The central heating and lighting station will be the first to receive attention. It will be a 110x46 ft. brick structure and will be situated in the ravine at a point about one hundred feet west of the chemical laboratory. Its situation will facilitate the handling of large quantities of coal and will place it conveniently near the other college buildings without its being too much in prominence. Three 3 phase alternating current dynamos will supply the electricity for the college and the uniformity of current will be of immense value to various departments which have before been unable to use the current supplied by the Amherst company. Two 6x17 ft. boilers of 125 horse power each, will be installed and the exhaust steam will be used for heating the buildings nearer the plant. Although it is planned to at first only heat the buildings west of the county road, the plant will have capacity for heating all the structures upon the grounds. R. D. Kimball of Boston who has a wide reputation in this department of work has been selected as architect. At the present writing no contracts have been awarded.

CONCERNING the recent appropriation of the Legislature, it is gratifying to note with what little opposition the bill passed both houses. Although one of the largest amounts of money asked for by the trustees of this college in many years, it has been freely given. It has been a noticeable fact in years past that like requests have met with seemingly undue hostility on the part of our legislators. Why this has been true is perhaps due more than anything else to the fact that they have been unacquainted with the college and its work. The visits of the members of various committees and of the general court to the college has brought about a decided change in their general attitude toward the place; not only have they seen the institution as a whole but they have had an opportunity to view its internal structure and to become acquainted with its importance, its true character and its possibilities. As a public institution it is dependent upon these men for its support and development; without their aid it must lie dormant or struggle along under adverse circumstances. It is then pleasing to know they are alive to our needs and are in sympathy with the work being carried out at the college.

In the Boston University *Beacon* for February 28 appears a very interesting letter from F. E. Hemenway Ex-'01 on the Philippines. Lack of space forbids our quoting it entire but the following paragraphs will give a fairly clear idea of the conditions.

"A four month's residence in the Islands is by no means sufficient to give one an exact conception of their conditions. In fact, the ordinary individual who has been here but a short time does not know as much about their conditions and needs as some of those extraordinary people who have never visited them. It seems to me that many of the reports that reach the States are due to premature judgments often based upon a slight knowledge of some one part of the archipelago. Of course there are many conditions common to the Philippines in general, but some of these find exception in certain places.

The climate, for instance, has a world-wide reputation for its heat, but the plateaus of Northern Luzon are temperate, while some of the mountain peaks wear caps of snow to keep warm. The heat, however, has not the terrible character that its reputation suggests. In some of the other Islands it may be more oppressive, but the Island of Masbate, and especially this town of Cataingan, is quite comfortable. At no time since my arrival have I suffered with the heat as I used to during the May-June examinations in college and after. Whether this was due to conditions or circumstances, I cannot say.

The nights are quite cool. This is due to the fact that they are longer than the summer nights in the States, and so in spite of the humidity of the atmosphere there is time for the heat to take a rest. The mosquitoes, however, need no such vacation, so they follow the tactics of the Insurgent and attack their victims while asleep.

But the continued heat, the heat that knows no difference between Christmas and the Fourth of July, produces its effects upon the individual. Those who have experienced it can sympathize more readily with the lazy Filipino who requires twelve hours for sleep and ten hours for dozing.

The rainy season cannot be forgotten. Its duration is claimed to be different in different parts of the island and no two people can agree on its date. But experience thus far proves that it begins January first and ends some time during December thirty-first. Of

course it does not rain all the time, but its effects are constantly visible and generally felt. Most of the time is spent in keeping things wet, and the rest of the time is spent in trying to get them dry. But I will say no more about the matter, for the hot season of April, May and June is yet to come and the heat theory may then be melted and the rain theory may then be evaporated.

The political conditions are somewhat like the weather, rather unsettled. Civil government for the most part is nominally in vogue, but in some places the military is abnormally predominant. The civil authorities, however, are taking matters in hand with commendable zeal, and improvements are going on under the impulse of American push. On this island and on many others the natives are pleased with the present government. They recognize the fact that they are incapable of governing themselves and that America is sincere in her motives.

OUR HONEY TRIP.

Some folks calls it a honeymoon, but we didn't travel by night except but once, an' the wuz no moon around then. It wuz while we wuz at breakfast that I thot of it. We hadn't bin married only about four months. So we wuz just in good shape fur it.

"Maria," sez I, "let's take a honey trip. Fur's I kin remember we didn't take one; soon's th' parson tied th' knot we sot right down to bizness. But I'm feelin' good fur a little holiday; and's Uncle Eb's goin' to Bosting fur a couple of days, he sez I kin use old Sam an' th' cart. Spose you try'n git ready."

Th' day wuz a glorious one fur sech doin's; sun shinin' bright not a cloud in heavin's clear, unspotted blue; an' I wuz feelin' th' inspiration of th' weather an' natur'. There wuz some longin's in my heart that wanted air, 'n I couldn't free them in th' house with everythin' goin' on; but out under th' wide, free heaven, with th' sweetest gal in th' world near you an' th' springs of love sendin' up their freshness from th' depths of your heart an' bubblin' all over your bein',—then, th' whole earth wusn't too big but you could put your arms around it 'n ease all its sufferin' humanity, an' give your last cent to help some poor critter. (I guess it's lucky fur me these inspiratory spells don't come more'n often, or I'd be a poor man.) Well, ez I wuz sayin', it wuz a fine day, 'n Maria thot so too, so she spicked up th' house some, 'n done

it in quick order, while I went out to git Sam 'n me ready.

My spirits wuz ez light ez th' beams of th' shinin' sun, an' I wuz a whistlin' all th' time I wuz a harnessin' up of Sam. Well, we wuz all ready fur startin' about nine o'clock. (We didn't have any youngsters to fuss around with then, or we wouldn't have got off till noon. I'm not sayin' that children ain't a pleasure fur they are, th' little rascals, but they're mighty inconvenient at times.) Well, we started, the sun an' our heads an' hearts high above earthy cares 'n troubles.

Marla thot it'd be a nice trip to her aunt Jem's up in Worthington. I hadn't been there fur a long time myself an' cal'lated it would be about ez good a drive ez we could take. I alwuz did love th' hills, 'n valleys, an' fields, an' there's plenty of all of 'em up there. And when I looked up at th' hills, I thot of the words of that grand poet of th' hills, an' words,—

"The hills

Rock-ribbed and ancient as the sun,—the vales
Stretching in pensive quietness between;
The venerable woods—rivers that move
In majesty, and the complaining brooks
That make the meadows green."

There seemed to be a power of wisdom locked up in those silent splinxes, with their heads reachin' way up in th' clouds, an' covered by them with a halo like some mighty saint.

I aint much pious myself 'n can't set an hour er two listenin' to some feller usin' big words on what he calls a "dissertation on th' problem of th' elect of God." I don't know whether I'm one of th' elect er not, probably not accordin' to his way of thinkin', but when I git out in th' fields 'n woods, an' breathe th' fresh, sweet incense that comes down from heaven, not what we send up, 'n look out on th' great hills covered with their livin' forests, an' patches of green grass spotted all over with flowers;—then, I tell you ever th' leaves on th' trees seem to speak an' tell me to look up, an' somethin' sez that God is good, an' I feel that I want to thank Him fur lettin' me live an' see all these things. Maria sez I ought to go to church more regular; perhaps I ought, fur it wuz there that I got th' best thing in this world—th' love of th' sweetest little girl this side of heaven, 'n that's enough fur me. But somehow er other th' Bein' I've learned to love out under th' big, blue sky, ain't

th' same as th' one they talk of in the church. Perhaps I'm wrong, but I'll serve Him ez I love Him an' run th' chances when th' bugle sounds.

But I've bin wanderin'; as I sed, we decided to go to Worthington. An' if you folks ever bin there you know somethin' 'bout th' tipsy hills you've got to travel over. They're mighty beholdin' from th' distance an' inspires th' heart to noble utterances, but when you git nearer an' have to climb some, you're apt to say other things too. It wuz all pretty fair sailin' till we got to Greenhill an' then it started to rain. We stopped there over night intendin' to leave in th' mornin'. But th' day opened dark an' gloomy with more rain. I squinted at th' clouds right after breakfast an' thot I see a clearin' up about ten or 'leven, so we left, but the rain didn't an' when we dropped in on Uncle John at Berkfield, we looked like a pair of half drowned kittens; an' th' harness—Uncle Eb wuz alwuz so keeful of th' harness, kept it so shinin' bright, but I couldn't help it, it got wet same ez we did.

"Well, Maria, sez I, when we went to bed that night I guess our honey-trip's not goin' to turn out ez sweet ez we hoped fur. Like's not th' th' honey's all thinned out by th' water mixed with it." But howsomever we both slept pretty peaceful like; thus fur none of our tempers wuz ruffled, or frilled in th' least. I never did see th' use in gettin' riled when th' weather didn't go to suit. It wouldn't help matters to grumble about it, an' if you did you wuz usually cross an' unbearable all th' rest of th' day. Maria wuz of th' same opinion ez I wuz; an' ez I sed, we both slept peaceful, an' wuz up with th' sun, helpin' th' birds to sing their mornin' psalm. How those little critters did open their throats an' let out their messages of good will, it seemed ez if we wuz all on a new earth, everything wuz so clean an' fresh, th' grass seemed to spring up to meet th' sun, an' th' trees wuz all a shakin' their leaves so gentle like ez if they wuz throwin' off everything that would hinder them from standin' out free. Even th' sun seemed to shine with a brighter, sweeter light.

Maria an' I walked out under th' trees, arm in arm, not sayin' a word we wuz both too happy an' didn't want to break th' spell. An' ez I looked down into her deep, brown eyes, I seemed to see all th' good in th' world. Yes, there wuz still some of th'

sweetness left after all. I wuz satisfied an' didn't ask fur more. After breakfast we hoisted sail again an' went down with th' wind in fine shape. Perhaps th' finish would be all right. We wuz joggin' along pleasant like fur about 'n hour, chattin' away like two robins on a branch; I wuzn't holdin' th' lines particular, givin' Sam (as well as me) plenty of freedom fur movement, when "snap," went somethin' about the riggin' an' old Sam began to back, an' we stopped short agin a big maple. Maria didn't say nothin' except to cling to me helpless like. When we wuz brought up short, I bounced out an' see th' trace wuz broke; it didn't amount to much, so we wuz soon on th' road again; but we hadn't got much further up th' hill when th' nose band broke. I didn't say anything yet, but kept myself calm an' quiet.

We reached the top of th' hill at last without any more trouble an' started on th' down road. One thing has alwuz bin a puzzle to me about th' folks livin' round here; why in th' name of th' hills, don't they have breaks on their wagons an' carriages. It's a risky bizness to travel up an' down these roads with only th' harness to hold you, an' wuz just speakin' of it to Maria, when dog-gone it, if th' breechin' didn't bust. If I'd a hed a techy ol' horse, I guess our honey-trip 'd a turned out different; as it wuz ol' Sam stood still, an' I jumped out an' tried to fix th' cussed thing. I dunno but I perspired some over the harness, maybe it wuz on account of th' underbreath, I've heerd tell of th' undercurrent, bein' powerful strong at th' shore, takin' folk's off their feet an' flusterin' them all out; I guess it must be th' underbreath 'et flusters so many on land, I dunno tho; but I didn't callate 'twuz so warm; an' then th' leather wuz ez tough ez—yes, ez tough ez leather, 'n I jabbed my finger a couple times with the knife; but I didn't say nothin', an' when I looked up a'wipin my face, Maria wuz lookin' off over th' valley enjoyin' th' beauties—maybe (she's a smart woman she is; that's why I married her.) Well, I got the thing fixed, at last, an' we enjoyed th' scenery an' th' weather for a long time. It didn't seem ez tho we could have any troubles that day, everything wuz so bright an' cheerful. But just ez we wuz eatin' our lunch somethin' happened, an' we dropped right in th' middle of th' road. Old Sam stood th' shock like a veteran,— 'n Maria laughed some. We wuz shuk up a bit, none

of us hurt; an' th' carriage wuzn't damaged much; but I ain't sayin' I smiled an' didn't say nothin'; it made me perspire some more; an' I spent a good hour wipin' th' sweat from my face an' repeatin' poetry (?) about the beauties of nature, et cetra, while huntin' for that dummed nut. It wuz a good thing Uncle Eb left a wrench in th' carriage, or I'd a got some warmer tryin' to put th' wheel on. Well, we couldn't complain of not havin' an' interestin' time anyhow. I won't stop to tell you all about th' beauties of th' scenery, etc. of th' fields, an' hills. I was impressed by them well enough; but I wuz a mite nervous as to what would happen next.

Well, we got to West Cummington an' found we'd have to stop there over night. Th' roads wuz too bad fur travellin', so th' hotel folks told us. So we settled down again; but I wuz a gettin' sort of anxious to be at Aunt Jem's an' even wished I wuz to hum again, didn't know where to-morrow might land us; but I wuzn't goin' to bring in to-morrow's troubles, sufficient for me to-day wuz the breakdowns thereof (the harness didn't break only fourteen times.) I wuz a wonderin' if everybody had ez pleasant a time ez we had, when they took their honey-trip. While we wuz a settin' in th' parlor, some folks came in, they looked as if they hed bin travellin'. Maria thot she knew one of them, an old schoolmate, so she spoke to her. Well, that made th' evenin' more pleasant, but they were goin' on further that night, an' when they found we wanted to go in their direction, they offered to lead us ez fur ez Temple about ten miles this side of Worthington, and ez Maria hed another aunt there, we thought we might make a visit there, while we could. So I borrowed a harness of th' landlord, wuzn't goin' to trust the patched up riggin' I had such a night as this. The wuz one double team an' two single ones, so the wuz plenty of company. Well, we hadn't gone fur when we lost sight of them somehow, an' rather than go any further, an' run the risk of spillin' out in some hole we turned about an' headed for th' hotel, but we hadn't more than got there when they came tearin' back after us. I wuz almost determined to stay here, but since they'd gone to all th' trouble of comin' after us, we thought we'd go on again. Well, we got to Temple all right, an' gave th' folks a cheerful goodbye, an' started for Maria's aunt's house; an' dum it, there wuzn't a soul to hum. My

feathers wuz a beginnin' to get a mite ruffled, but with a mighty effort I kept myself. We spent the night at a kind-hearted neighbor's, who took pity on us, an' next day arrived at Aunt Jem's. They wuz right glad to see us, an' we enjoyed our visit, but I wuz never so glad ez when I wuz settin' at the table in my own house again.

"Maria," sez I, when we wuz all settled down to quietness again, "th' next time we take a honey-trip I'll buy a brand new harness an' buggy, before I trust myself to those hills again," an' I meant it. But we enjoyed it, powerful.

Yours,

E. P. Zu Dicks,
Lone Pine Hill Farm,
Squedunks, Mass.

A CONTRIBUTION TO SCIENCE.

The subject is but a medium sized cur of uncertain pedigree. To a casual observer there is nothing remarkable about him but his sneaking appearance and his stump of a tail which stands straight up like the stem of a weather-beaten pumpkin. His color is yellow; his habitat, just out of gunshot from my study window; his favorite diversion, a series of indescribable prolonged howls without a shadow of respect for his environment.

After profound research and consideration I have arrived at a few conclusions which may be worth recording from a biological and psychological standpoint. First and foremost, no member of the dog family would naturally produce such weird and unearthly sounds. This conclusion I have arrived at only after a careful study of the phonetics of the canine family. If any one doubts the grounds of my conclusions I shall be happy to refer him to a list of fifty-seven volumes by eminent scientists treating on the above subject. The lack of space alone causes me to desist from going deeper into a detailed discussion on this point.

From whence, however, does this deplorable vertebrate derive his power of articulation? I am convinced that here at least we have an instance of the transmigration of souls. No other explanation seems applicable. It is with great regret that I am forced to accuse one of our ancestors of prehistoric times of acquiring the habit of howling in such spasmodic,

melancholic strains. That the spirit of such a person still exists and at present occupies a tenement in my neighbor's dog seems to beyond dispute from evidence at hand. It is hoped that future study of Ethnology will throw some light on the time and conditions under which the savage in question existed. In the meanwhile let us hope that when this miserable howling cur shuffles off his mortal coil the evil spirit will straightway migrate to some less civilized portion of this great green earth.

WESTERN ALUMNI ASSOCIATION.

The Western Alumni Association of the Massachusetts Agricultural College held its annual business meeting and banquet at Leland Hotel, Chicago, Ill., on Thursday evening, Mar. 27. Invitations had been sent to some 50 alumni and non-graduates in the territory west of Buffalo, extending to the Missouri river and north of the Ohio river. While a goodly number responded to the invitation sending greetings, only thirteen members were present. After the banquet the committee appointed to draft a constitution and by-laws submitted its report, which was accepted after making a few changes. It was decided to hold the annual meeting in March on such a date as shall be chosen by the President and Secretary.

The following officers were chosen for the ensuing year: President, E. B. Bragg, '75, of Chicago, Ill.; vice-president, Asa F. Shiverick, '82, of Chicago, Ill.; secretary and treasurer, A. B. Smith, '95, of Chicago, Ill.; trustees, C. S. Plumb, '82, of Lafayette, Ind.; J. E. Wilder, '82, Chicago, Ill.; L. W. Smith, '93, Manteno, Ill.; E. M. Wright, '99, Manteno, Ill.; J. L. Field, '92, Chicago, Ill.

Those present were: Lewis A. Nichols, '71, Civil Engineer, Chicago, Ill.; Everett B. Bragg, '75, Western Manager General Chemical Co., Chicago, Ill.; Winthrop E. Stone, '82, President Purdue Univ., Lafayette, Ind.; Chas. S. Plumb, '82, Professor of Agriculture, Purdue Univ., Lafayette, Ind.; Asa F. Shiverick, '82, Firm of Tobey Furniture Co., Chicago, Ill.; John E. Wilder, '82, Firm of Wilder & Co., Chicago, Ill.; Royal P. Davidson, '92, Commandant of cadets, Northwestern Military Academy, Highland Park, Ill.; Cuthbert W. Smith, '93, Farmer, Manteno, Ill.; Arthur B. Smith, '95, Credit Dep't Wilson Bros.,

Chicago, Ill.; Herbert J. Armstrong, '97, Civil Engineer, Chicago, Ill.; Mark H. Munson, '99, with Swift & Co., Chicago, Ill.; Edwin M. Wright, '99, Farmer, Manteno, Ill.; Percival C. Brooks, 1901, Care General Chemical Co., Chicago, Ill.

After the routine business of the meeting had been gotten out of the way, the Alumni Athletic field came up for general discussion. It was finally decided to assist the Association by personal subscriptions of those present and also to canvas the West supplementing the work already done by the Alumni Athletic Field committee at Amherst. The sum of \$100 was raised and it is hoped that generous subscriptions will be received from other Western Alumni.

While the Western Alumni Association has been in existence for a number of years it has not been as active as some of the associations, but it is hoped that more interest will be taken from now on and larger attendance secured for its meetings. Chicago is the natural center for the Central States and all alumni in or near Chicago should make it a point to be identified with the Western Alumni Association.

ARTHUR B. SMITH, Secretary.

FRATERNITY CONFERENCE.

There was a special meeting of the Fraternity conference Tuesday evening, April 8. R. W. Morse, H. J. Franklin, E. B. Saunders, C. A. Tinker, V. A. Gates, E. G. Proulx, H. L. Knight and N. F. Monahan, represented their respective fraternities. The conference voted to assist the ladies of the faculty in holding a reception. W. E. Allen, G. D. Jones, '03, S. L. Smith, '02, C. A. Tinker '03, and H. L. Knight, '02, ex-officio, were appointed as a committee to confer with the ladies of the faculty. A meeting of the above committee and the ladies was held April 10 at the home of Miss Helena T. Goessmann; Mrs. Babson, Mrs. Wellington, Mrs. Stone and Miss Goessmann being present. It was decided to hold a reception Friday evening, May 9, the principle features of which will be a public reception, followed by a drill by a picked squad, band concert, dance and a light collation. A special car will leave for Northampton after the dance. The hearty co-operation of all students is requested and expected. It was recommended that only those students who are to take part in the drill wear uniforms at the reception.

The following leaders of college singing were appointed at the conference meeting, John Hall, '02, leader; C. I. Lewis, '02, W. E. Allen, '03, F. D. Couden, '04, H. H. Goodenough, C. A. Holcomb, '05, class leaders.

Fraternities are requested to practice singing the college songs used after the chapel exercises.

ANNUAL REPORT OF THE YOUNG MEN'S CHRISTIAN ASSOCIATION.

It has been the purpose of the Y. M. C. A. during the past year to keep before the young men of the college the principles of Christian manhood which govern the workings of the great movement of which the Association is a part.

During last spring term the hand-book was published bearing some marked changes in the general plan. The shape of the book was longer and narrower than previous issues and enclosed several blank pages together with a page of useful tables thus rendering the book very handy as a pocket note-book.

The Northfield Student-Conference saw us represented in the delegates, Messrs. Tottingham, Smith, Carpenter, Shaffrath and Back, who returned with words of greatest help to the Association. In accordance with the custom the Association tendered the incoming class a reception in the latter part of September last.

Through a lack of teachers there have been only two classes in Bible study instead of four as during the preceding year. Members of the Freshman class under the guidance of Mr. Hinds have formed one division and members from the three upper classes the other division. Devotional meetings were held regularly once a week being addressed occasionally by outside speakers.

A notable advance has been made in the working of the Association by which it is confidently believed the same will be inestimably benefitted. Heretofore nearly all of the experience gained by the Senior members has been lost to the Association at their graduation. To conserve this experience from year to year, an advisory committee has been formed composed of three resident townsmen, Mr. M. B. Kingman, Mr. C. W. Marshall and Dr. J. B. Lindsey. A detailed account of the formation of this committee was published in the issue of the SIGNAL for March 26.

INFORMAL DANCE.

A very pleasant informal dance was held in the Drill Hall Friday evening, April 11. Although the company was smaller than was expected, those who attended succeeded in having a very enjoyable time.

It was planned to have dancing begin at 4-30 o'clock but owing to the baseball game being in progress at the time the floor was not patronized until after six. The program consisted of eighteen numbers, the music being furnished by the college orchestra. At about eight o'clock an intermission was called and refreshments were served from buffet tables.

Some of those present were:—Miss Swain of Dorchester, Miss Proulx of Smith college, Miss Hinckley of Amherst, Miss Griswold of Mt. Holyoke, Miss Morgan of Mt. Holyoke, Miss Quirk of Mt. Holyoke, Miss Merrick of Amherst, Miss Sanderson of Amherst, Miss Foxcroft of Mt. Holyoke, the Misses Goodenough of Amherst, Miss Hall of North Amherst, Miss Gaylord of North Amherst, Miss Moore of Smith college and Miss Purtil of Smith college. Mrs. Lull and Mrs. Ostrander acted as patronesses.

COLLEGE CALENDAR.

- APRIL 22—Baseball game with Amherst at Pratt Field.
 APRIL 24—Baseball game with Bates on the Campus. Weekly meeting of Y. M. C. A. topic, "Suggestions for Meeting Temptations."
 APRIL 25—Band concert in band stand at 7-30 P. M.
 APRIL 26—Baseball with Springfield at Springfield.
 MAY 1—Weekly meeting of Y. M. C. A. topic, "The Use of the Tongue."
 MAY 3—Baseball game with Millers Falls at Millers Falls.

BASEBALL.

The team has had good weather for practice the past two weeks, but the absence of coaching is resulting in a rather slow development of fast baseball. First bag is still an open position with Gregg, Halligan and Pray on the anxious seat. Ahearn is giving Cook a rub at home plate and this leaves a chance at third. Hunt, Walker, Paul and Gregg have all been tried at third bag and at short and no one is sure of the place.

Ohearn is sure of second and the out fielders will hold their positions by good stick work.

The practice game with Amherst on the eleventh was a poor exhibition of baseball from our point of view and it was played on the home grounds too. Bodfish followed instructions and to give the infield practice, allowed Amherst to hit the ball out with disastrous results. In the first two Innings Massachusetts bunched her errors and seven Amherst men crossed the plate. The errors did not end here, but luck and good playing at critical points kept the total score for the seven Innings down to eight. At the bat Massachusetts was no better than in the field. The Amherst pitcher was only fair but it was an off day, and poor base running and the fine support the Amherst men gave their twirler kept us from making more than a single score. There is much better material for a team in college now than last year, but the men will have to wake up, if they expect to come anywhere near the record of last year's team.

The schedule game with Amherst will have been played when this issue of the SIGNAL is published, but too late for an account of it to appear this time.

Department Notes.

The greater the institution, the greater its responsibilities, the greater its advantages, the greater work it accomplishes. This sounds very plausible, but is not true to fact. In the March *Forum* Prof. George T. Ladd, discussed the question, "Are American Universities Worth what they Cost?" and said, that, according to theory the graduates of the University should be the leaders in the world's interests, but found that facts proved otherwise. Why this should be so, is not satisfactorily accounted for, as every advantage seems to be at the disposal of the student to make him the most completely fitted man to assume a position at the head of the procession as it passes the reviewing stand of Public Opinion. The facts point otherwise it should not cause a disparagement of the good work accomplished by the Universities, but should set the thinking men, who are at the head of these greater colleges, to work to discover the cause of failure and rectify the mistake.

Though the University should be looked up to with

respect and admiration for the work it has accomplished and the advantages it does possess, yet it is to the smaller colleges scattered broadcast, that the world must turn for the majority of her leaders and workers. Not every man is in a position to receive the benefits of the University, but possessing within himself the qualities that make for leadership and genius, and receiving a training from the minor college, that is not likely to be possessed by the University, he is enabled to grasp and utilize those opportunities that come to him, for the accomplishment of his ends, and it is to this fact that America owes much of her greatness.

If the money-burdened men, who, each year, are bestowing their millions upon the already magnificently equipped Universities were to remember some of the smaller colleges who are struggling to maintain their dignity, as it were, handicapped by a lack of means to provide suitable advantages for the performance of their work, their spirit might rest more at peace, and see more real work accomplished for the good of humanity.

In the establishment of the State Agricultural Colleges and Experiment Stations, the United States took a step that forced her toward the front rank in the scientific world, and through the work done in the various departments she leads the world to-day, in her advances in the natural sciences. This is particularly true in respect to Entomology. "Owing to the crying needs of a rapidly growing population of practical people and to the consequent encouragement given by Legislatures in making appropriations, as well as by the energy, ability, and adaptability of the individual workers, many of them men of high standing in the field of pure science, the United States has jumped to the front," says Dr. L. O. Howard. "English colonists, themselves, confronting many of the same problems which we have had to meet, were among the earliest to recognize this fact, and agricultural papers of the Australian colonies, of New Zealand, of Cape Colony, and of British India have for years been extensively quoting from American writings. Other countries have followed their lead. Cape Colony has employed an American economic entomologist. Argentina sent for an American entomologist to advise that government in the work against migratory locusts. The British West Indies are at the present time

(1899) in search of the proper man to go from the States to help them along these lines. In 1896 the French authority Dr. Paul Marchal, writing on the subject of applied entomology in Europe, began his paper with these words (freely translated):

"There exists nowhere an organization dealing with applied entomology capable of rivalling that of the United States. The extraordinary development which this service has taken in America is well known. * * * The progress realized in these later years under the influence of this organization has been of the highest kind. In particular that which concerns the application of insecticides on a large scale and biological observations of a high interest from the point of view of pure science have been accumulated in their publications. European nations have commenced to follow the example which has been given to them on the other side of the Atlantic." Recently Miss Eleanor A. Ormerod, the well known English writer and investigator referring to the work of American economic entomologists, wrote: "It really is impossible for me to say how highly I fully believe that their serviceable scientific and applied information is benefitting the world as well as their own country." All this is the more remarkable when we learn that "as late probably as 1878, this country was behind certain European countries in its accomplishments in the field of economic entomology."

It is a recognized fact that "Massachusetts" is the only true agricultural college in the United States, and that its library is the best of its kind in the country. Prof. N. G. Johnson, of New York, who in December made an inspection of the orchard in reference to San Jose scale, writes: "It has been my pleasure to visit the colleges and stations of twenty-three different states. Your buildings and equipments compare favorably with the best in the country and are far above the average. This is particularly true in your various departments in which practical work is given. Your facilities for instruction in botany, vegetable pathology, entomology, horticulture, general agriculture and allied branches are exceptionally good. Your library is one which commanded my attention on account of the careful selection of the works necessary for agricultural training." But it is not so well known that the course in entomology is the most thorough and extensive of any college or university in the world. The Senior work here is equivalent to that given by Kolbe, which is "far in advance of any other college," as Prof. Smith of Rutgers wrote to Prof. Fernald, when inquiring as to the preparation needed for advanced work, and the

post graduate work as revealed by replies to a circular letter sent to teachers and professors throughout the country, describing the course of study, and plan of reading, whereby the student is made to depend upon his own efforts for further research, enabling him to rightly handle and utilize literature upon the subject, is shown to be far in advance of anything attempted elsewhere. Parts of the letter were printed in the *Entomological News* and *Entomologist's Monthly*, and copied by journals of Germany, Russia, France, Italy, and other European countries. The rather mournful query of one Italian journal expresses the value set upon the course, in few words: "When will Italy ever be able to do anything like this?"

The Junior work deals with the economic consideration of entomology, in the study of such insects that are most commonly met with, endangering the plant life with which all subjects are more or less most intimately connected. The work at present consists of recitation room work in preparation for the field work which is to follow about the first of May, when the student through his individual collection learns to classify and describe. In the Senior year, the structure is studied and the student is trained in the using of literature upon the subject, that he may depend upon his own efforts, so that on leaving college he will not be at a loss what to do next, as might be the case were too much aid given in the class room. In the course this practical plan is followed—specialized work is done along such lines that will be of the greatest benefit to the student in his future work. If he intends to enter the business of fruit growing, such insects as are most commonly met with in that industry are more especially and more extensively studied; if in market gardening of vegetables under glass, particular stress is laid on the study of those insects known to be more active in that line; if medicine is to be his chosen profession, careful research and most thorough work is done along that direction with insects which he will be compelled to become acquainted with in his profession; while a general knowledge of all forms and families is obtained through a course of lectures. The graduation thesis is usually upon such a subject as relates to his future work, and if of sufficient merit is printed. If post graduate work is contemplated, other methods are followed that will lead the student to more thorough work by which he shall become an acknowledged authority in his subject, becoming engaged principally in the work of entomology as a profession; and in consequence if a Ph. D. from "Massachusetts" is obtained, it is the greatest recommendation that can be secured, and is an evidence of most thorough and complete work having been accomplished, and that the one who has received the honor is in a position to lead in his chosen field of labor.

College Notes.

—Capt. J. Anderson has been very sick with the Grippe.

—The fraternities are having their tennis courts put in order.

—J. R. Kelton, '05, has joined the D. G. K. fraternity.

—Bertram Tupper has been elected secretary for the freshman class.

—Chef Reardon has left the Boarding club for a position in Trenton, N. J.

—Mr. Parker, '72, has been appointed landscape gardener for the coming year.

—L. S. Walker has been elected captain of the freshman baseball team and C. E. Merrill, manager.

—J. C. Cook, '03, has been elected assistant manager of the baseball team to fill the place formerly occupied by W. E. Allen.

—O. F. Cooley, '02, made a new record at the shooting range April 15, his score being 17, 21, 21, 21, at two hundred yards.

—Manager Brooks has completed his schedule of the football season of 1902 and the schedule will appear in another part of this issue.

—For the present Captain Anderson intends holding two battalion drills and one company drill with practice for the rifle team each week.

—If the weather is favorable, the college band will give the first of a series of concerts in the band-stand from 7-30 to 8-30 o'clock Friday night, April 25.

—Work has already begun preparatory to building the new heating station. For the past week men have been busy cutting out trees on the new location.

—Privates Walker, Staples, and Quigley have been transferred to the band and the following transfers and promotions have been made: Serg't, C. A. Tinker, bearer of national colors; Corporal C. W. Kinney appointed sergeant and transferred to Co. "A"; Private O. F. Cooley appointed corporal.

—The third informal dance was held in the drill hall Friday evening, April 11, directly after the practice game with Amherst. Contrary to all expectations there was but very few couples present. The twenty couples who did attend enjoyed themselves to

the fullest capacity. Music was furnished by the college orchestra.

—Captain Anderson has ordered a new \$75 state flag for the battalion. This flag will be of the latest design as regulated by a recent act of the Legislature and consists of a white field on which is an Indian with raised tomahawk, while on the back is an emblem of a pine tree indicating the first flag waved by the Massachusetts Bay colony, and bearing the words "Clark Cadets. M. A. C., Amherst."

—At a mass-meeting held in chapel last Friday morning the new board of Reading Room Directors was elected as follows: 1903—E. B. Snell, R. H. Robertson, W. W. Peebles; 1904—F. H. Couden, R. R. Raymoth, A. W. Gilbert; 1905—H. F. Tompson, G. W. Patch. E. B. Snell was elected president, and R. H. Robertson, secretary and treasurer, at a meeting of the board, April 21.

—Captain Anderson has entered a team in the Intercollegiate Rifle Contest held between many of the military colleges in the United States. The shooting is to be done on the home ground of each team the score to be sent directly to Capt. Geo. E. Sage, U. S. A. Ret., University of California, who has charge. The teams consist of ten men each, and each man will fire ten shots from the Springfield rifles with the regulation six pound trigger-pull at a distance of two hundred yards. The team is; Lieutenants Morse, McCobb, Saunders; Sergeants Bodfish, Plumb, Cop, Cooley; Privates Quigley, O'Hearn, Smith, White, Proulx, Hood; Private Taylor, substitute.

—In accordance with the request of the Ladies of the Faculty, Captain Anderson has detailed the following men for the exhibition drill to be held *Friday evening, May 9*: A Co., corporals, Couden, Tower, Monahan, Peebles; privates, Gardner, Quigley, Raymoth, Ahearn, Franklin, Hunt, Munson, Cook; sergeants, Hodgkiss, Cook, Barrus; B Co., corporals, Allen, Pool, Snell; privates, Newton, White, Bacon, Parsons, Allen, Griffin, Proulx, Esp; sergeants, Belden, Dwyer, Lewis, Bodfish. The detail will drill the manual, rifle exercise and bayonette exercise ten minutes each, with a short rest between, under command of Captains Paul and Dacy. After the drill there will be a band concert and dance. All alumni and students are invited.

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—The long-looked for college song book has been published. The book contains twenty-one songs done up in a very plain drab-colored cover 3x4 inches. The songs are: "Victory" (F. D. Couden, '04), "There's Music in the Air," "Song of the Wedding March," "My Honey Babe," "Over the Banister," "Drinking Song," "It was my Last Cigar," "Star of the Summer Night," "Evening on the Campus," "Dunderbeck," "Drink to Me only with Thine Eyes," "Nut Brown Maiden," "Lovely Night," "Hall, Massachusetts!" "A Stein Song," "The Edystone Light," "Juanita," "Levee Song," "Knocked 'Em in the old Kent Road," "I Doubt It," "I was a Rhizopod." Now that the books have come the college has already begun singing in the chapel, as voted by the faculty some weeks ago. The plan is to sing ten minutes one morning a week, the mornings being varied.



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THE COLLEGE SIGNAL

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ACCEPTED FOR MAILING, MAY 10, 1902.

Editorials.

We wish to call the attention of the students to the exhibition drill which is to be held in the Drill hall Friday evening. The ladies of the faculty are doing all in their power to make the event a success and the presence of every student is desired. The exhibition drill by picked squads will be followed by a band concert and dance, the music for the latter being furnished by the College orchestra. Refreshments will be served by the committee in charge and a special car will be run for those wishing to return to Northampton.

THE baseball season is well under way and our difficulties seem to increase in direct proportion to the number of games played. It is, however, no time to lose heart. We have yet some of the best College teams in New England to try conclusions with and the hearty support of every man should be given the team from now on. The support of our athletic teams is apt to be fickle in the extreme; it is apt to

cause unstinted praise and enthusiasm after victories and to totally forsake the men when defeat is met. The opening games of this season have been disastrous to our team but we have met defeat at the hands of worthy rivals. Amherst is playing an unusually good game this year. Her showing against Harvard, Yale and Princeton has placed her well in the front rank of New England colleges. Bates is playing good ball and in Springfield we played a professional team which has met successfully representatives of the Eastern and National League. These defeats are then to a great extent excusable, and certainly there is no need of censuring the team. Give it a good scrub and plenty of encouragement and we may feel confident that a good season's work will follow.

ARCHITECTS Ellsworth, '71, and Kilpatrick of Holyoke have completed plans for the erection of the new dining-hall and dormitory which will be situated midway between the old boarding club house and the Experiment station. The plans call for a three story

brick structure 60 by 104 ft. in size, trimmed with marble and in design bordering on the colonial. The dining-room will occupy the first floor, about 30 by 80 feet, having a serving-room in the rear connected with the kitchen which will be in the basement. It will seat 350 persons. The basement will also contain cold storage rooms, laundry, provision and vegetable rooms and will have a cement bottom. The second floor will contain a large reception hall, rooms for the steward and three suites of rooms of three each for the use of students. At each end of the building will be entrances to the second floor with balconies over each. Occupying as it will a prominent position on the College grounds it will add greatly to the general effect. Its value to the College, both as a dining-hall and dormitory will be great and will supply a long felt want. The building will be heated by steam from the central heating station and will thus have more available room than it otherwise would have. Its estimated cost is \$30,000.

INASMUCH as we have of late, received several communications from members of the alumni bringing forth arguments for and against the change of name of this College we feel obliged at this time to state our attitude towards the question. In the first place although we are by no means uninterested in this topic we believe that the columns of the SIGNAL are no place for a prolonged discussion of any subject. The purpose of the paper, we believe, is to establish harmony and not to create discord. Again THE SIGNAL acting as it does as an advertising medium of the College would fall in this purpose, and on the other hand would bring about a counter influence upon prospective students by placing the institution before them in a wrong light. The discussion which has been carried on during the past year may have brought about some good results but it certainly has eventuated in bad results as well and which on the whole have perhaps outweighed the good. We believe that revolutions never move backward and that the movement which has started will ultimately end in a state of affairs which will be for the best good of the College, but for a time at least we are adverse to publishing in our columns, articles which argue for or against a change of name. At some future time it may be advisable to publish a supplement to the regular issue,

containing a fair and liberal discussion of both sides of the question and which may be supplied to those who are more closely connected with the College and in consequence are more interested in the matter.

A PIPE DREAM.

"Young men shall dream dreams and old men shall see visions."

The visions of the old men I shall leave to those, my seniors, who are more adequate to see and reverence the old man's visions. It is of a dream of a freshman in college that I take as my theme.

But the first requisite to be able to dream in the true lazy, half-sleepy fashion is a good briar or mer-cham, filled with equally good tobacco. The second is that the one to dream must be alone in the quiet of his room with his feet—as one of the laws of man require for comfort—higher than his head, he being tilted back in his cushioned chair thus equipped to dream the dreams as instigated by "My Lady Nicotine."

At last the pipe is burning slow and even: and the student falls into a deep reverie. The smoke still comes, cool, and with a fragrance known and enjoyed only by the true smoker. He blows a ring of smoke, another follows the first, still another escapes from the elliptical shape of his mouth only to follow the others to the ceiling. He blows yet another more perfect in its white filmsyness which produces a faint and contented smile on his sleepy face; he half closes his eyes and silently watches it drift away from him. Many flickering expressions pass over his face as he watches the ring go on to its sure destruction. He dreams; and without becoming aware of the fact he imagines he is in his seat in the mathematics room. Perhaps he was trying to find the sine, cosine, or cotangent of the circle of smoke. It seems only probable for he mutters to himself as dreamers are apt to do, "tan x = opposite side over adjacent side," and then, "log tan x = log," but he dreams no more for he comes back to earth and mortals as if the professor had shouted at him, "Sir! Sir!" from over his glasses.

Again the pipe is put to his lips and the fire takes on new life as the smoke is emitted from his lips like the opening of a small volcano. The rings of smoke are again formed and sent one after the other only to

lose all shape as one overtakes the other. They come slower and slower until one large thick-set ring floats out, turning in and out, as it gracefully sails away from him. After it follows another equally as graceful in its flight from its tomb. But the boy is again dreaming. He looks through one ring of the white nothingness and sees on to the ball field where he played in his school days. The next ring he sees through and on to the river and camp where he would spend his summers. As the rings came and went the dreaming boy saw and reviewed as in a panorama his whole boyhood from the days he first became one of the boys and entered their sports, on, and up, to the day when three long months ago he bid goodbye to his dear mother, father, brothers and sisters. He lingered long at the remembrance of his mother, she who is sad when he is sad, and who rejoices when he rejoices. The smoke came slower and slower as he thought of her and home until it seemed the pipe would go out if not quickly used. As if by instinct he momentarily awoke from his lethargy and by a few vigorous puffs soon had it rekindled.

With the renewal of the fire in the pipe he returned to the blowing of rings. One after the other they are formed. One breaks, another, and yet another but still no motion from the dreaming smoker. At last he mutters to himself as he watches the flight of a large curling ring of pure white smoke, "Oh! my dar—," He does not finish but from his whole bearing and atmosphere of the dreaming freshman, we know, whether by instinct or intuition, that it is something or someone close to his inner feelings. He dreams he sees through the perfect formed ring of gracefully curving and curling smoke a picture frame. He sees his little girl at home or at the boarding school in the circle of white floating smoke above him. He still sees her pretty picture in its natural yet appropriate frame and dreams about and of her.

He even dreams that she is his, all his, and he commenced to lay out plans as to the—Smash! Smash! "Lights out freshmen," He dreams no more. He is fully awake that after all it was one long pipe dream and that he was only a poor freshman in college who must have no thoughts and plans of

his own when sophomores are around. With this sudden termination of these blissful dreams he was spared that incurable malady—home-sickness.

F. C. P.

POOR DANDY.

"Confound those cats!" ejaculated Tom suddenly, sliding off the table where he had been sitting and starting toward the window.

"Oh, don't get excited!" drawled another fellow, whom nothing ever disturbed.

The first remark was brought about by a horrible howling underneath the window which could not have come from anything but a cat fight. We four boys, my brother and I and two other fellows had roomed together at this house during our two years at college. We had been undisturbed during this time but the beginning of our junior year our sleep had been strangely disturbed by nightly concerts furnished free of charge by the cats of our neighborhood. I suppose their reason for selecting this particular window was that they had found Tom to be more or less musical and appreciative of their efforts.

"Well, who wouldn't get excited?" said Tom, indignantly, "after being kept awake every night in the week by that racket?"

"Why don't you throw something at them?" suggested the same drawling voice.

"Throw something at him! I've thrown everything I could spare and many things I couldn't spare, for that matter," answered Tom.

"Why not try some cold lead?" I hinted.

The suggestion was accepted and Tom loaded his pistol and awaited the return of the musicians. They didn't return that night, or the next, nor next. But we did not let his forget them, for each morning one of us reminded Tom, by asking how many cat skins he had.

Four nights passed concertless but the fifth more than made up for it. We had gathered in Tom's room when, at about 9:30 the first duet began. Tom was ready for action in a minute. The noise he made in opening the window disturbed the musical program below. With a final howl the cats rushed across the snow towards some bushes. They were quickly followed by another. Tom aimed and fired and an unearthly howl rent the air. We stood at the window

a moment and then returned to our seats, as Tom closed the window with a look of satisfaction, he said, "something evidently got hurt."

Sure enough something did get hurt but we did not know what, until about two hours later, when Mrs. Brown and her daughter, with whom we boarded, returned to the house. They had been in the house but a few minutes when Dandy, Mrs. Brown's pet dog was heard whining and scratching at the doors.

She opened the door to let him in, when her shrill voice resounded through the house. "Jessie do come her. Just see what has happened to Dandy. He must have hurt his foot." We went to the top of the stairs and she continued. "Poor little doggie, dear little Dandy, let me see what has happened to you."

"Ugh!" grunted my brother in disgust. "I suppose that is dog language." We had all guessed by this time what had happened to Dandy and with glances at each other we went down stairs to the room below.

Tom, who was studying medicine, especially anatomy soberly asked permission to examine the wounded limb, and found the cause of the trouble in a very short time. He looked up and said, "Looks as if he had been shot."

"Shot!" exclaimed both women in horror. "Shot," repeated Mrs. Brown. "I'd like to get hold of the person who did it. I'd fix him" and she went on to tell of the way she would treat such a person, if she should find him, so well, that none of us hoped that she would discover the real perpetrator of so horrible a crime. Tom arose in a moment with the whining dog under his arm telling Mrs. Brown that he thought the bullet was still in the limb and that he would remove it if she would allow him.

She consented and we took the dog up stairs. Tom had a bottle of chloroform and brought it out and gave Dandy a generous dose.

It did not take long to extract the bullet, and we soon had Dandy's leg done up in a neat bandage. But horrors! We thought the dog would never come to. He layed there as stiff as a board, until we thought Tom had finished him this time for good. Every step we heard down stairs we thought Mrs. Brown would appear at the door the next minute.

Finally, the dog recovered and we restored him to his mistress. The operation pleased her but she did not stop denouncing the guilty one. Tom, whom she liked very much, was raised very high in her opinion,

but as for him, poor fellow, he did not dare to again use his pistol. So after a short vacation the cats resumed their singing with only an occasional interruption of a cake of soap.

C. P. M.

Observations & Conclusions

The observer has been to great trouble and expense for the past few weeks in looking up the new summer styles; and he has become possessed of many valuable hints. It should be understood that the observer began these investigations merely for his own personal satisfaction, but so many fads are going to become popular the coming season, that he feels compelled to give his friends the benefit of his researches. A good deal of the authority for the following cannot be revealed, but such people as Would-burry, the face doctor, ought to know, and most of them have been glad to give any information in their power. Here are a few of the points that seem to the observer best worth remembering:—

Foot ball will not be popular through June and July. Ice-water still remains a popular summer drink.

False teeth should not be removed at table while using a toothpick.

Bath-ropes, notwithstanding the efforts of a few leaders in the styles have not yet become popular as part of a bicycle costume.

Ping-pong bats and balls are not in good form on the tennis court.

Straw hats of more than five or six decks will not be popular as part of a gentleman's bathing costume. No more than eight decks should be worn on any occasion.

The shirt waist will be worn again this summer. It should however be supplemented by at least one pair of trousers. Worn alone, it is not recognized as the correct thing by the best people.

* * * * *

This is the time of year when the college student begins to receive letters offering him summer work. Most of these communications invite the recipient to become an agent of some sort of other, and all sorts of inducements are offered in the way of prizes, extra commission etc., though no one seems to care to give

a small salary. The peculiar part of it is that every firm in the country gives at least five per cent. more commission than any other firm in the country.

There are others too, who are either trying to get agents, and are wise enough to say nothing about it until a certain amount of interest is aroused, or who have some other sort of a game to play on the unsuspecting college man. Their letters are rather indefinite in tone, and are usually brief.

* * * * *

The observer received a letter of the latter sort the other day. It read about as follows:—

Dear Sir:—Are you in a position to consider a proposition for work during the summer months. If so please answer by mail, giving age and salary expected.

Yours truly,

The writer seems to favor brevity and so an answer like the following might please him.

Dear Sir:—I am. Twenty—. All I can get.

Yours:

But the probability is that such a reply would immediately find its way into the waste basket accompanied by words to the effect that "some people are too smart to work"; and indeed there are some awfully smart people in the world. Why there are those who can tell a man's character, his capabilities, and just what position he is best suited for merely from hearing his age and the salary expected.

* * * * *

For the last few days the Observer has noticed a plow busily at work on one of the grass plots in front of the finest laboratory around college. Supposing as a matter of course that the field was to be regraded and used as a lawn he made inquiries of the laborers and found to his surprise that,—a crop of corn, was to be planted. Now the observer has spent much midnight oil in perusing the subject of agriculture and as he thinks the matter over his poetic instincts blend with his broad knowledge of the subject and he feels himself thoroughly in sympathy in the plan of transforming the college lawns into cornfields.

What can be more beautiful than a great expanse of silver tassels and dark green leaves spreading out before the eye, with now and then a horse hoe plying back and forth in the distance, and to add a degree of dignity to the spectacle, a college hall or a dormitory

or a chapel, placed in bold relief against the waving sea of green.

But as stated previously, the observer considers himself a thorough agriculturalist and for fear that the work may stop short of completeness he would urge that a crop of potatoes, preferably Baldwins, for the new hash house be planted on the campus and would suggest the oval around the fountain as an ideal place in which to propagate a crop of cabbages.

MAROON AND WHITE.

Tune—Stars of the Summer Night.

Stars of the silent night,

Send low thy silver light.

And greet our campus bright,

Where floats Maroon and White.

Our pride, our own, Maroon and White.

Wind of the murmuring night,

Wave gently, wave above,

The symbol of our love,

The pure Maroon and White.

Our pride, our own, Maroon and White.

Moon of the smiling night,

Turn to us while we kneel

And give us truer zeal

For our Maroon and White.

Our pride, our own, Maroon and White.

Dreams of the quiet night,

Steal, steal across the deep,

And tell the world in sleep,

We love Maroon and White.

Our pride, our own, Maroon and White.

R. R. R.

NOTICE.

Subscribers are requested to pay their arrears without delay. All back debts should be settled at once as we must have the money.

Business Manager.

FLINT SIX.

Professor Babson has selected the following men from the Junior class to compete for the Flint oratorical prizes at Commencement: H. J. Franklin, Albert Parsons, W. W. Peebles, E. M. Poole, W. E. Tottigham and M. H. West. The selection of these men was based upon their work in the department of oratory during the past year. The prizes will be thirty dollars for first and twenty dollars for second.

CALENDAR.

May 8.—Meeting of Y. M. C. A. Topic, "Costly Errors."
 May 9.—Reception by ladies of faculty in Drill Hall.
 May 10.—Ball game with Trinity at Hartford.
 May 14.—Ball game with Williams at Williamstown.
 May 15.—Meeting of Y. M. C. A. Topic, "Do not worry."
 May 16.—Ball game with Bowdoin at Amherst.
 May 19.—Ball game with University of Maine at Amherst.

SENIOR COMMENCEMENT SPEAKERS.

The following men have been chosen by the Faculty to represent the senior class on the Commencement stage:—H. L. Knight, A. L. Dacy, D. N. West, C. I. Lewis, F. R. Church, and S. L. Smith. Three of these men have been selected for their scholarship and three on account of their record as speakers.

BAND CONCERT.

The college band gave the first of a series of out of door concerts in the bandstand Friday evening, April 25. Owing to the coolness of the evening but few outside the college attended. The program consisted of eight selections as follows:

Washington Post March,	Sousa
Serenade—Summer Night,	Sutton
A Warm Baby—Two Step,	Metz
Moonlight Fancies Waltzes,	Rollinson
Charming Ellaline Schottische,	Hall
Our Leader March,	Winstien
The Ring Master Galop,	Warren
Stars and Stripes Forever,	Sousa

FOOTBALL SCHEDULE.

Sept. 27.—Holy Cross at Worcester.
 Oct. 4.—Boston College at Amherst.
 8.—Dartmouth at Hanover.
 18.—Wesleyan at Middletown.
 25.—Tufts at Medford.
 Nov. 1.—W. P. I. at Amherst.
 7.—Springfield T. S. at Amherst.
 15.—Amherst at Pratt field.

FOOTBALL REPORT.

SEASON OF 1901.

Receipts.

Subscription from college,	\$407 00
Guarantees:	
Holy Cross,	60 00
Pittsfield,	65 00
Williams,	75 00
Wesleyan,	70 00
W. P. I.,	60 00
Amherst College,	50 00
Tufts,	75 00
Boston College,	350 00

Total receipts, \$1,212 00

Expenses.

Old accounts:	
Co-op. store,	46 38
Supplies:	
W. M. Clafflin	44 00
J. W. Brine,	256 50
Co-op. store,	40 75
H. Adams & Co.,	4 90
C. R. Elder,	3 98
Carpenter & Morehouse,	7 65
Repairs:	
Davis,	21 00
Coaches:	
I. O. Hunt,	50 00
Jennings,	6 25
Rubbers:	
Tower,	7 10
Cooley,	4 65
Bowen,	1 20
Incidentals:	
Telegrams,	3 22
Telephone,	4 25
M. F. Ahearn	6 00
F. B. Pictures,	3 75
Cartridges,	1 95
Express,	4 25
Drugs,	6 80
H. A. Paul,	14 00
O'Hearn,	17 15
Stationary, stamps, etc.,	7 32
Walters,	4 48

Trips:

Holy Cross,	68 25
Pittsfield,	71 67
Wesleyan,	64 25
Williams,	69 20
W. P. I.,	60 10
Amherst,	26 00
Tufts,	103 95
Boston College,	153 36

Guarantees:

Springfield Training School,	21 00
------------------------------	-------

Incidentals to home games:

Springfield Training School,	1 45
Bates,	4 50

Total expenses, \$1,211 26

Net gain, 74

Respectfully submitted,

VICTOR A. GATES, Manager.

BASEBALL.

AMHERST, 13; MASSACHUSETTS, 8.

Amherst defeated Massachusetts in a ragged exhibition of ball-playing on Pratt Field, Apr. 22. It was the first scheduled game of the season, and with the exception of the Improvement shown in stick work, was not up to the standard even of the two practice games already played against the same team. Neither team in fact played up to their usual form, and in consequence the game was slow and uninteresting. Massachusetts had a fighting chance to win, when in the fifth they batted out three runs and came within a single run of tying the score. The sixth however was a shut out, and when Amherst ran five men across the plate in their half, the game was lost.

The score:

AMHERST.					
A. B.	R.	P. O.	A.	E.	
Chase, 3b.	4	1	4	2	0
Biram, r. f.	4	3	1	2	0
Keliker, 2b.	6	1	2	0	0
Favour, 1b.	4	2	3	0	0
Rafferty, l. f.	5	0	1	0	0
Sturgis, s.	4	1	2	3	0
Roe, c.	4	0	9	1	0
Field m.	4	2	3	0	1
Rouse, s. e. p.	4	2	0	1	0
Totals,	39	12	27	9	3

M. S. C.									
A. B.	R.	P. O.	A.	E.					
Cook, 1b.	4	1	4	1	1				
Bodfish, p.	5	3	1	4	0				
O'Hearn, 2b.	4	3	3	1	0				
Ahearn, c.	5	3	9	3	0				
Hunt, s. s., 3b.	5	3	2	0	3				
Halligan, m.	4	1	2	0	1				
Ingham, l. f.	5	1	2	0	1				
Gregg, r. f.	1	0	0	0	0				
Fray, r. f.	0	0	0	0	1				
Walker, r. f.	0	0	0	0	0				
Brooks, 3b.	2	0	0	0	0				
Paul, s. s.	1	0	0	0	0				
Totals,	38	14	24	8	8				
Innings,	1	2	3	4	5	6	7	8	9
Amherst,	1	4	2	0	0	5	0	1	—13
M. S. C.,	1	0	2	3	0	2	0	—8	

Runs—Chase, Biram, Favour, Sturgis, Roe 2, Field, Rouseville 2, Cook, O'Hearn, Bodfish 3, Ahearn, Hunt, Halligan. Total bases—Amherst 14, M. S. C. 17. Stolen bases—Biram 2, Roe, Chase, Sturgis, Rafferty, Field, M. A. C. 17. Two-base hits—Favour, Chase, Hunt. Three-base hit—Cook, Walker. First base on balls—off Rouseville 5, off Bodfish 7. Left on bases—Amherst 9, M. A. C. 4. Struck out—by Rouseville 9, by Bodfish 6. Batters hit—Biram, Sturgis. Double play—Bodfish, Ahearn and Cook. Wild pitch—Rouseville. Time—2 hr., 15 m. Umpires—Cooley of Massachusetts and Blanchard of Amherst.

BATES, 9; MASSACHUSETTS, 8.

Massachusetts played her second game of the season with Bates college, on the campus on April 24, and was defeated by a single score after an exciting game. The high wind blowing during the early part of the game was responsible for a good many errors on both sides, but otherwise it was a good exhibition of ball. Bates began the run getting in the first half of the first inning when three errors by the home team let in two runs. Bates scored again in the third when Allen reached first on an error and Stone brought him home on the first hit secured off Hunt's delivery. Up to the sixth Hunt pitched great ball, but in that inning he weakened, and after four Bates men had crossed the plate, he was replaced by Bodfish. The seventh and eighth were shut-outs for the visitors, but in the ninth a two-base hit, a single and a base on balls brought in the tying and the winning run. Massachusetts scored one each in the first and second, errors being responsible for both runs. In the seventh, two hits an error and a base on balls netted three more, and again in the eighth, timely batting made the score eight to seven in Massachusetts's favor. In the ninth, after two men were out, Hunt made a hit and when Paul reached first on a dead ball, chances for winning looked bright. The next batter, however, hit an easy one to short field and the game was over.

The score:

AMHERST.						
A. B.	R.	P. O.	A.	E.		
Clason, s. s.	5	2	1	0	3	
Parsons, 3b.	5	1	1	0	3	
Allen, p.	4	2	2	4	3	
Stone, c.	4	1	2	8	1	
Purington, 2b.	4	1	0	2	1	
O'Sean, 1b.	3	1	0	10	0	
Moody, c. f.	3	1	0	3	0	
Lang, r. f.	2	0	2	0	0	
Maert, l. f.	3	0	2	0	0	
Totals,	35	9	10	27	11	8

MASSACHUSETTS.						
A.	R.	H.	P.O.	A.	E.	R.
Cook, 1b.	5	1	3	15	0	2
O'Hearn, 2b.	5	0	0	2	7	0
Bodfish, p., r. f.	4	0	1	0	3	0
Ahearn, c.	5	0	0	3	4	0
Hunt, r. f., p.	4	0	1	0	3	0
Faul, s. s.	2	2	1	4	1	1
Halligan, c. f.	3	2	1	1	1	1
Ingham, l. f.	4	0	0	1	1	1
Gregg, 3b.	4	3	1	1	0	2
Totals.	31	8	8	27	9	6

Innings
Massachusetts, 1 2 3 4 5 6 7 8 9
Bates, 2 0 1 0 0 4 0 0 2-9

Stolen bases—Bodfish, Gregg, Cook, Clason, Allen, Dean. Sacrifice hits—Allen, Stone, Moody, Lang, Maerz, Bodfish, Hunt. Two-base hits—Allen, Cook (2), Halligan. Three base hit—Dean. Double play—Bodfish to Paul. Bases on balls—by Allen, Paul and Halligan; by Hunt, Clason, Purington, Lang; by Bodfish, Lang and Maerz. Hit by pitched ball—by Hunt, Moody; by Allen, Paul. Strike-outs—by Allen, O'Hearn, Hunt, Halligan, Ingham (2); by Hunt, Moody; by Bodfish, Moody and Clase. Passed ball—Allen. Umpire—Merritt. Time of game—2 hrs. 30 m.

MASSACHUSETTS, 6; MILLERS FALLS, 6.

The game with Millers Falls last Saturday resulted in a tie. But nine innings could be played as the Massachusetts team were forced to leave in order to catch a train. The field was a slow one and the day disagreeable for ball playing, but on the whole the team made a better showing than they have done before, this season. The team had been all shaken up since the last game, every man but two of the outfielders filling a new position. Hunt was in the box for Massachusetts and succeeded in keeping the hits well scattered except in the seventh, when a double, three singles, and a home run resulting in a lost ball gave Millers Falls, four of her six runs. The home team also scored one run in the first, and one in the second. Massachusetts did not score until the third when two hits and a sacrifice brought Cook across the plate. In the fifth, Brooks opened the inning with a clean hit. Cook followed with another. Hunt knocked Brooks home and Cook scored on the error that put Ahearn on first. In the seventh came another run; and Massachusetts tied the score in the eighth when Ingham and Brooks reached bases on errors and O'Hearn scored them both on what should have been a home run, but for a rather questionable decision of the umpire who called him out at the plate. The second:

MASSACHUSETTS.						
A.	R.	H.	P.O.	A.	E.	R.
Cook, c.	5	2	4	11	0	2
O'Hearn, s. s.	5	0	1	2	2	0
Hunt, p.	4	0	2	1	2	0
Ahearn, 3b.	4	0	0	2	2	0
Faul, 1b.	4	1	1	6	0	0
Halligan, c. f.	4	0	0	1	0	0
Gregg, 2b.	4	0	1	0	0	2
Ingham, l. f.	4	3	1	0	0	0
Brooks, r. f.	3	2	1	3	0	0
Totals.	36	6	10	27	8	6

MILLERS FALLS.						
A.	R.	H.	P.O.	A.	E.	R.
Driscoll, 2b.	5	1	2	12	0	0
Austin, 1b.	5	1	3	2	3	0
Conners, s. s.	4	1	3	12	0	0
Maynard, c. f.	5	1	3	1	1	1
McCue, l. f.	4	1	1	0	0	0
Taggart, r. f.	4	0	0	0	0	0
Dauphne, c.	4	0	1	4	0	0
Elmer, p.	4	0	0	3	2	2
Gilman, 3b.	4	0	0	0	0	0
Totals.	39	6	12	27	16	6

Innings
Massachusetts, 1 2 3 4 5 6 7 8 9
Millers Falls, 0 0 0 1 0 2 0 1 2 0-6

Stolen bases—Millers Falls 3. Two-base hit—Driscoll. Three-base hit—O'Hearn. Home run—McCue. Sacrifice hits—O'Hearn. Double plays—Driscoll, Conners and Austin (2), Ahearn, O'Hearn and Paul. Bases on balls—off Hunt, Conners. Hit by pitched ball—Brooks. Strike outs—by Elmer, Ingham (3); by Hunt, Driscoll, Austin, Maynard, McCue, Taggart, Dauphne, Gilman. Umpire—Murphy. Time of game—1 hr. 30 m.

Department Notes.

The magic thrill of a musical voice, the magnetic flash of a sparkling eye, and the eloquence and majestic bearing of an orator, have swayed the destinies of men and nations from the birth of intelligence. The mind is awakened to new energy; the sensibilities are given clearer perceptions; and the whole being springs into a new life of enthusiasm and action by the inspiring words of an ennobling presence.

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There is not a man who does not enjoy listening to

an earnest speaker whose words seem to fall with ease and grace, whose very bearing is a delight to the eye. There is something in the personal contact of speaker and hearer that cannot be defined, but which exists nevertheless. We may read an inspiring address, or thrilling story, but they both seem comparatively dead and lifeless, only as they come from the living personality do they seem to have the power they bear.

However, though it may be a worthy and commendable aspiration to possess the power to control men and nations by the mere wave of the hand and inflection of the voice, yet it is not given to everyone to have this power; nevertheless it is the privilege and should be the pride, of every one to be able to conduct himself worthily in an emergency. Nothing fits one for this occasion better than the practice of speaking in public. It develops within one a rare presence of mind, and enables him to gain the mastery over himself, in the presence of others. He becomes conscious of his own powers, and as a consequence is able to "work out his own salvation," to better results.

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In the oratorical department likewise, little interest is manifested by the students, to that which might be shown, were they fully alive to its possibilities. At this time of the year especially, as Commencement draws near, there should be a lively rivalry existing between the contesting honor men, that a truly creditable showing might be made, which would redound to the honor of the college. Besides, what an incentive is offered to the winner of the contest. Not a badge, which though valuable is of no commercial value these practical days, but a prize of gold that could not so easily be obtained otherwise for so little

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'71.—F. A. Nichols of the Western Alumni Association takes an active interest in the athletic field movement and is co-operating with the officers of the M. A. C. A. A. in their work.

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MASSACHUSETTS.						
A.	B.	R.	P.O.	A.	E.	F.
5	1	3	15	0	2	0
5	0	1	2	7	0	0
5	4	1	0	3	0	0
5	0	0	3	4	0	0
5	0	1	0	3	0	0
2	2	1	4	1	1	0
3	2	1	1	1	0	0
4	0	0	1	0	1	0
4	3	1	1	0	2	0
Totals.						
31	8	8	27	9	6	6
Innings.						
1	2	3	4	5	6	7
8	9	0	0	0	3	0-8
Bases.						
2	0	1	0	4	0	2-9

Stolen bases—Bodfish, Gregg, Cook, Clason, Allen, Dean. Sacrifice hits—Allen, Stone, Moody, Lang, Maerz, Bodfish, Hunt. Two-base hits—Allen, Cook (2), Halligan. Three base hit—Dean. Double play—Bodfish to Paul. Bases on balls—by Allen, Paul and Halligan; by Hunt, Clason, Purington, Lang; by Bodfish, Lang and Maerz. Hit by pitched ball—by Hunt, Moody; by Allen, Paul. Strike-outs—by Allen, O'hearn, Hunt, Halligan, Ingham (2); by Hunt, Moody; by Bodfish, Moody and Clase. Passed ball Ahearn. Umpire—Merritt. Time of game—2 hrs. 30 m.

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MASSACHUSETTS.						
A.	B.	R.	P.O.	A.	E.	F.
5	2	4	11	1	1	0
5	0	0	2	1	1	0
4	0	1	2	2	0	0
4	1	1	6	0	0	0
4	0	0	1	1	0	0
4	0	0	0	0	0	2
4	3	1	1	0	0	0
3	2	1	3	0	0	0
Totals.						
36	6	10	27	8	6	6

MILLERS FALLS.						
A.	B.	R.	P.O.	A.	E.	F.
5	1	2	12	0	6	0
5	1	3	2	3	0	0
5	1	3	4	0	1	2
4	1	1	0	1	0	0
4	0	0	0	0	0	0
4	1	1	4	0	0	0
4	0	0	3	2	0	0
4	0	0	3	2	0	0
Totals.						
39	6	12	27	16	6	6
Innings.						
1	2	3	4	5	6	7
8	9	0	0	2	0	0-6
Bases.						
1	1	0	0	0	4	0-6

Stolen bases—Millers Falls 3. Two-base hit—Driscoll. Three-base hit—O'hearn. Home run—McCue. Sacrifice hits—O'hearn. Double plays—Driscoll, Connors and Aquin (2), Ahearn, O'hearn and Paul. Bases on balls—off Hunt, Connors. Hit by pitched ball—Brooks. Strike outs—by Elmer, Ingham (3); by Hunt, Driscoll, Austin, Maynard, McCue, Taggart, Dauphin, Gilman. Umpire—Murphy. Time of game—1 hr. 30 m.

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'96.—Frederick H. Read, teacher, English high school, Providence, R. I.

'96.—Harry H. Roper, East Hubbardston, Mass.

'96.—B. K. Jones is studying law in Springfield and has been teaching evening school at Indian Orchard during the past winter. Address, 341 St. James Ave., Springfield, Mass.

'99.—B. H. Smith has been teaching at the Baron de Hirsch Agr'l School, Woodbine, N. J., since September. During the summer term he teaches Entomology among other subjects. This position was formerly held by G. A. Billings, '95.

'99.—The engagement of Warren Elmer Hinds to Miss Edith Goddard Gray of Templeton, Mass., has been announced.

'00.—J. E. Halligan and D. L. Cleaves are at present employed in collecting samples of commercial fertilizers, in different parts of the state, for official inspection.

Ex-'03.—P. H. Bowler, who has signed for the season with the Springfield baseball team, pitched three innings against the Boston Nationals last week. Three pitchers were tried during the game, but Mr. Bowler made the best showing of them all. Only nine men came to bat during the three innings he pitched and all they could get from his delivery was a couple of singles.

College Notes.

—R. A. Quigley is now playing the bass-drum in the band.

—The C. S. C. are holding a tennis tournament this week.

—Private H. C. Bowen has been transferred from B Co. to A Co.

—Don't forget the exhibition drill and dance Friday night. Drill 8—9. Dancing 9—11-30.

—"General," the college Mascot, drawing a little girl in a dog-cart was one of the features of the May festival.

—Dr. Paige is holding clinics every Wednesday afternoon from 2-30 to 5 o'clock at which all animals brought in are doctored free of charge.

—The Senior members of the outgoing SIGNAL Board held a banquet in the Massasoit House in Springfield Saturday, April 26. Those present were Claflin, Kinney, Lewis, Knight and Gates.

—The Sophomore Ten will speak before the Faculty, Wednesday, May 7, at 2 o'clock and the Freshman Ten Friday May 9 at the same hour. Every man in college is entitled to hear this speaking and it is hoped that a goodly number will be present.

—The baseball team received quite a shaking up last week when Captain Paul changed the positions of nearly every man on the In-field. Cook was put back behind the bat, O'Hearn short. Paul went to first, Ahearn now plays in his old position at third, and Brooks was put at second.

—The Seniors planted their class tree a oak in the square directly South of the Chapel Saturday night April 26. The planting was accompanied by the usual celebration. The committee in charge was: J. N. Dellea, chairman, H. E. Hodgkiss, C. T. Lewis, H. A. Paul, and A. L. Dacy.

—The Sophomore class, under Prof. W. P. Brooks, made a tour of inspection April 21 Taking a barge at the Chapel at 8 o'clock they proceeded to North Amherst City, then to Sunderland and South Deerfield where they had dinner, thence down the western side of the Connecticut and finally reached home late in the afternoon.

Intercollegiate.

INTERCOLLEGIATE.

Columbia University is leading in the Inter-collegiate strength contest this year.

After nine years of disagreement, Yale and Penn. meet this year on the diamond.

Harvard's debating team has recently been defeated by both Bates and Princeton teams.

There has been a triangular tennis league formed between Amherst, Williams and Wesleyan.

Harvard men expect W. W. Coe, Jr., the famous Oxford college shot-putter, to enter the University next fall.

W. P. Galder, '03, has been elected basket-ball captain for the next year at Wesleyan. He is also foot-ball captain.

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modern way.

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Brooks, Ph. D., (Massachusetts Ag-
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Tufts celebrated its fiftieth anniversary April 22, 1902. The venerable Ex-Gov. Boutelle who signed the charter of the Institution, helped in the ceremonies. A degree of LL. D. was conferred upon him as a slight recompense for all that he has done to help along the "college on the hill."

Swarthmore college is taking a great interest in the Canadian game of Lacrosse. They have been playing since 1891 and last year carried off the championship of the United States, defeating Lehigh, Columbia Penn. and Johns Hopkins. Great things are promised for this new college sport, for as yet, there are no professional players spoiling the game for the colleges.

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Editorials.

Owing to unforeseen circumstances it has been necessary to eliminate one number of THE SIGNAL. The next issue will appear on June 17 and will be a special commencement number.

We can but express our thorough disapprobation for a policy which seems to have taken a firm hold on some restless spirits around College,—namely, a policy which encourages the destruction of property. Why it is that "College pranks" cannot be kept within the broad bounds of common sense, we are at loss to know. A ruthless destruction or endangering of property is ever to be deplored, but here, in a public institution, supported as it is indirectly from our own pockets, it would seem that such a spirit of vandalism should of all things be lacking. The motive that has prompted recent depredations has not been conceived in the minds of the majority of students but in those of a few, and it lies with those holding the balance of power to use every energy in discouraging like actions.

College sentiment, can if it will, put a stop to the present state of affairs and we trust that its influence may be brought to bear in this direction.

THE SIGNAL regrets that owing to a lack of funds the baseball management has been obliged to cancel three important games. Although handicapped earlier in the season by the failure to obtain a coach the team has of late given evidence of improvement. The game with Bowdoin, although unsatisfactory in many respects showed a strengthening in some positions and the Maine trip bid fare to result satisfactorily. It is not altogether bad luck which has lost our games but rather a failure of the students to support the team. A failure to play out the schedule always reflects unfavorably upon a team and such a circumstance should be guarded against.

EXHIBITION DRILL.

On Friday evening, May 9th, the final of a very enjoyable series of entertainments, given by the ladies of the Faculty, was held at the Drill hall. Early in

the evening the guests began to arrive and before eight o'clock an unusually large company had assembled in the gallery and on the main floor. The College band, occupying a decorated stage at the north end of the hall opened the program with a medley overture by Beyer. Picked squads of men in the regulation summer uniform under the commands of Capt. Dacy and Lieut. Morse, then gave a thoroughly good exhibition of Butt's Manuel and the Manual of Arms. Following this refreshments were served, after which the band struck up a lively two-step and the floor was soon crowded with dancers. After the opening dance Warner's orchestra of Northampton continued the program and dancing was enjoyed until a late hour. Much credit is due the ladies of the faculty for their efforts and it is hoped that another year the students will aid in making a like series of events equally successful.

OLD FOLKS' CONCERT.

CHRISTENING OF HALL AND PARK.

Our attention was called to the above interesting title, a short time ago while looking through a scrap book of the late President Clark. It is included in the column of Amherst matters, in *Hampshire and Franklin Express*, of Friday, Nov. 2, 1860. It is a detailed account of the festivities which preceded and followed the christening of Park and grounds. But we were most pleasantly amused by the speech of an old deacon who opposed the work, and that others may enjoy a laugh as well as we, and also repeat a bit of the history of Amherst, we quote verbatim from the *Express*. "Immediately the feasting on bean porridge hot and bean porridge cold," hominy, mush, etc., was over, and a little more cider had passed around, Prof. Clark President of Agricultural society, expressed his delight at seeing the hall so well filled, and suggested the propriety of christening the hall and fair grounds, when he was unexpectedly and almost rudely interrupted by an old foggy deacon of Wendell, who opposed this suggestion in his 'best nasal' somewhat thus:

We give the deacon's speech as nearly verbatim as we can from memory prefacing it with the remark that it was his manner fully as much as his matter that produced the sensation, and to be appreciated, it needs to have been heard, rather than read:—

"MR. MODERATOR:—If you've got through I've got

jest a few words I'd like to say on this subject. I come from Wendill this mornin' to help 'em sing a little—they wanted me to come down and bring my bass viol and violate some of the old tunes for 'em, so I come down, (sensation)—hadn't more'n got here afore somebody told me they was going to edicate the new hall and park. What hall and park, say I? Why the agricultural hall and park, says they! Now Mr. Moderator that was the first I heard about the affair, and sence then I've been lookin' round to see what you've been doin' here, and I find you've got some agricultural grounds and a buildin' on it. Now, Mr. Moderator, I'm agin this hull consarn, unqualifiedly and teetotally; (laughter) here you've been, Mr. Moderator, and appinted a committee, unbeknown to me or any of our Wendill folks; who has built these 'ere grounds and laid out this 'ere hall entirely unbeknown to us and without our knowledge—(laughter and voice—you ought to take the papers then.) Who says I ought to take the papers? What paper? I aint a goin' to take a Black *Republican* paper, if I don't never know nothin'. (applause.) I've got just three reasons, Mr. Moderator, why I'm agin the hull consarn, hall, grounds and everything, firstly, in the first place, I hold that these 'ere hoss trots is the most dreadful immoral thing that there is in these days, and these folks that drives hosses so, is the most disreputable kind of folks (sensation.) They abuse hosses dreadfully, and you know, Mr. Moderator, what the Scripser says about it, if you don't you'd oughter. Well the Scripture says a marcfiful man is marcfiful to his beast, and it can't be a very marcfiful man as drives his hoss two-forty a minute. (loud cheering and laughter.) It aint no laughin' matter, Mr. Moderator, these 'ere hoss trots is dreadful dangerous, as the Scripser sez again, a hoss is a vain thing for safety. (Great applause.) Then this here fence is a dreadful dangerous thing, the boys will be a climbin' it and break their necks, they're allers up to some mischief. Our country is fast goin' to ruin, Mr. Moderator, to ruin! to ruin! (Sensation.) One of our neighbors up in Wendill had a paper sent him to'her day, and our folks borrowed it (cheers) and we found it full of nothin' but murders, lotteries, and hoss trots, they all go together, Mr. Moderator. (Applause.)

Secondly, in the next place, I am altogether agin the consarn because its a dreadful expensive thing. I

presume you've been and gone and laid out more'n seven hundred dollars, jest on this park. Oh I Mr. Moderator this is what Scripser calls spendin' your money for that which is not bread, and your labor for that which satisfieth not. (Here as well as elsewhere the moderator was unable to moderate his risibles, fairly bursting with laughter.) Why wasn't the common up to the middle town good enough for the cattle show without coming way down here out of the way of everybody, and that hall was a beautiful one, jest the thing—right under the meetin' house too. (Loud applause.) Speaking of the common, reminds me of another foolish thing that shown jest the same spirit as built these grounds and laid out this 'ere hall. That fence up there, painted white, must have been amazin' expensive. Vociferous applause and cheers from small boys in the doorway.

He was called to order by E. F. Cook, Esq., one of the executive committee, who said that the gentleman from Wendell was wasting the night with his trash and wished the moderator to stop him. Dr. Rice defended the deacon and held that he was right in his remarks, and wished that he would speak of the fountain, which plays so beautifully on its annual day of "sprinkling" far excelling in its "spurt" the famed fountain in Central Park or Boston common. He hoped the deacon would be allowed to proceed.

He was allowed to go on. Allow me to say, Mr. Moderator, that it don't appear very respectful to the aged to call 'em to order in a place like this. To be sure, Mr. Moderator, these things is nothing to me, but they all show jest the same spirit. The money had a great deal better been spent to send clothes and vittles to the poor heathen. (Applause.)

Then what does Amherst want of a new school house? I should calculate there was enough afore, one on every corner and ten or a dozen up on the hill, and speaking of that, I was up there lookin' around, I see one thing that attracted my 'ention. Perhaps I should not mention it, bein' as its nothin' to me, but that 'ere statur (Sabrina) looked rather foolish 'ordin' to my idee. I couldn't think of nothin' but a Black *Republican*. It seems most too bad to expose such things to the weather. (Cheers.) Then that 'ere place, I forgot what they call it; that 'ere stone building (gymnasium) where the boys go and cut up their capers, 'pears to me a tremendous expensive and silly thing.

The boys go there and waste half the forenoon in dancin' shindigs and turnin' head over heels, when they ought to be in the school house gettin' their lessons. I heerd 'em tell that the professor or whatever you call him made the boys get out on the roof and hang on by their teeth to the copper gutter and stick their legs out straight, and then he walked along on 'em to see if their toes was in line. (Immense applause.) Now I call that foolish and its only a good example of what you're doin' here in Amherst.

Wal, Mr. Moderator, I've run, till I've got to my third head. Thirly, in the last place, finally, I'm agin the hull consarn, Mr. Moderator, 'cause you didn't let me nor none of our Wendill folks know nothin' about it. (Applause.) We hold ourselves to be rational and accountable bein's like other folks and deserve a hearin' as well as anybody, and hence, whereas (here the speaker commenced an emphatic series of gestures which lasted through the speech,) you didn't let me nor none of our folks up to Wendill know nothin' about it, we are bound to go agin the hull thing, and it aint no use to continer the consarn, nor think of stickin' a name onto 'cause there's more'n forty of our folks up to Wendill, who knows their rights and aint goin' to be trod on, if they be a few, who are comin' down here to the next annual meetin' and are going to vote down the hull consarn, in spite of you, Mr. Moderator, or any of the rest of the committee. (Prolonged applause.)

After the deacon had fairly knocked down all hopes of the success of the christening, Ethan Allen, Esq. of Northampton, "all hoss," flew up, and with magnificent gesticulation, sadly endangering the heads of old foggies within his terrible swoop, besides snapping off the swallow tail of his blue coat, fairly chewed up the old deacon of Wendell.

MR. PRESIDENT:—If old dried up has got through, I'd like to say a few words on this subject. (Interrupted by Deacon Holt, but immediately silenced by the speaker.) I couldn't hardly keep my seat while he was abusing the horse as he has. If I had my say about it I wouldn't have one of these old fogy's in the society. I'd punch them all out of town with a long stick. It's perfectly disgusting to us liberal-minded men, to hear one of these old fools attempt to talk. Just as soon as any new thing is started, they commence a great cry about the expense. We shall all come up on the town and the like.

Old dried up wants to know why we can't drive our horses around the common, and exhibit our fruit in the hall under the church. I should as soon think of exhibiting the fruit in a barn, and racing horses round the cow-yard.

Why can't men keep up with the spirit of the age, Mr. President? I say let old fogysm give way to Young America. Let us take the reins and we'll bring the country out all right, and inside of time, too. (Applause.) I go in for the horse, Mr. President. I'm all horse. I'd like to know if horsepitality isn't inculcated as one of the moral virtues. (Shouts of laughter.) Didn't King Richard say, bring me a horse—my kingdom for a horse. He knew what a horse was worth, just think of that, Mr. President, the whole kingdom of England with all its national debt and fortifications, Queen Victoria and the Prince of Wales all going for a horse.

I tell you a horse is worth more than Solomon's idea of a virtuous woman if she isn't balky, (I mean the horse.) (Laughter and loud cheering.) This old fogey is down on tracks too. I'd like to know what there is immoral about tracks. Down in New York we used to have mile tracks and half-mile tracks, and there was one great society called the American Track Society. Up here at the big school, they have got what they call bird-tracks, but my theory is that they were formed by racing hens over stones in former times.

I was out through Wendill where this dead head says he lives; and I went to his barn to look at his stock. He has to blanket his horses every time he takes them out to keep the wind from blowing the hay out of them. He feeds them with sawdust and shavings, and puts green goggles on them to make them think its green grass.

He was just killing a fat (?) cow when I was there, but he could not get the hide off to save his life, it stuck to the bones so hard.

The speaker went on, taking up other things which the deacon said, and made them appear in a decidedly ludicrous light, and took his seat amid loud cheering.

After this one-forty "whole hoss" speech, Dr. Bliss of South Hadley levelled the radical views of both, and the business proceeded; and President Clark christened the hall and park with water brought from the Connecticut, (by Mr. Stockbridge, of North Hadley

expressly for the purpose,) devoting the hall and grounds to the interests of farm labor, mechanic industry, and sound morality.

JUNIOR CHEMICAL TRIP.

While the Junior class is proceeding with the study of Organic Chemistry it is the custom of Dr. Wellington to conduct an excursion to some of the neighboring cities, in order to give the students an opportunity to study the practical application of Chemistry, thus demonstrating that Chemistry is one of the great factors in the business world of to-day and amounts to something besides theory and the juggling of equations. On Wednesday, May 21, the present Junior class, accompanied Dr. Wellington on a trip to Springfield, Holyoke and Mt. Tom. Leaving Amherst in the morning on the 7-59 train, they arrived in Springfield about 9 o'clock. The first place visited was the plant of the Springfield Brewing Co., where a guide directed them over the buildings, and explained the various processes in the manufacture of beer. The grain is first soaked with water, and then spread out in thin layers in a dark room or malt loft, and the temperature is maintained at 55° to 62° F. In the course of twenty-four hours the seeds begin to germinate. A peculiar substance, diastase, containing carbon, hydrogen and oxygen is formed, apparently by the oxidation of one of the more alterable constituents. The diastase is characterized by its remarkable property of inducing the conversion of starch into dextrin and grape sugar. This process is kept up for two weeks, then the grain is killed by drying it at a temperature of 90° F., on perforated iron plates. The grain, or malt as it is now termed, is mashed with water at about 180° F. for some hours, when the diastase changes the starch into dextrin and sugar. The liquor is now drained off for conversion into beer. Before subjecting it to fermentation it is boiled with a quantity of hops which prevents the beer from souring in consequence of the conversion of the alcohol into acetic acid. The hopped liquor is run off into a vat, where it is allowed to deposit the undissolved portion of the hops, and the clear liquor is drawn off into shallow coolers, where its temperature is lowered as rapidly as possible to about 60° F. The liquor is now transferred to the fermenting tanks where it is made to ferment by the addition of yeast, which

causes the glucose to undergo decomposition, known as alcoholic fermentation. When the desired point has been reached the beer is stored for consumption.

Leaving the brewery, the class proceeded to the Springfield Gas Works, and under the direction of one of the managers studied the various processes in the manufacture of gas. This business is of special interest to the student of Chemistry, as much of the extraordinary progress made by chemists during the last half century must be attributed to the introduction and great extension of the manufacture of coal gas. No other branch of manufacture has brought into notice so many compounds not previously obtained from any other source. Of the compounds of carbon and hydrogen very little was known previously to the introduction of coal-gas. The most important of these hydro-carbons, benzol or benzene, was originally procured from benzoic acid; but it would have been impossible for it to have fulfilled its present useful purposes unless it had been obtained in abundance as a secondary product in the manufacture of coal-gas; for leaving out of consideration the various uses to which benzene itself is devoted, it yields the nitrobenzene so much used in perfumery, and from which aniline is obtained, from which many of the most beautiful dyes are now prepared.

The retorts in which the distillation of coal is effected are made of fire-clay, and arranged in sets of three or five, heated by a coal fire or a gas furnace. The coal is thrown on the red hot floor of the retort, as soon as the coke from the previous distillation has been raked out; the mouth of the retort is then closed with an iron plate. An iron pipe rises from the upper side of the front of the retort projecting from the furnace, and is curved around at the upper extremity, which passes into the side of a much wider tube, the hydraulic main, running above the furnaces, and receiving the tubes from all of them. This tube is always kept half full of tar and water, condensed from the gas, and below the surface of this liquid the delivery tubes are allowed to dip, so that, although the gas can bubble freely through the liquid as it issues from the retort, none can return through the tube, while the retort is open for the introduction of a fresh charge. From the hydraulic main the gas passes into a condenser, in which is deposited, in addition to water any of the volatile hydro-carbons and ammonium salts,

The gas is passed next through large iron boxes containing iron oxide, which absorbs the sulphuretted hydrogen, leaving it free from all dangerous impurities and ready for consumption.

As it was now nearly noon, the members of the party wended their way toward the Cooley house, where they were entertained by Dr. Wellington. After dinner they boarded a trolley car for Holyoke, where they were conducted over one of the large paper mills of that city. The processes of making pulp from rags, and the conversion of the pulp into sheets of paper for commercial use were examined.

After leaving the paper mill the class was conveyed by train to the Mt. Tom Sulphide Pulp Works, where pulp for the manufacture of paper is made from the waste wood of a neighboring lumber-mill. After completing the inspection of the works, a trolley car was boarded, the party arriving home by way of Northampton about six o'clock, tired, but all well pleased with the trip.

At a special meeting of the class, May 22, the following was unanimously voted:

To Dr. Wellington, department of Chemistry: We, the members of the class of 1903, of the Massachusetts Agricultural College, wish to extend to you a vote of thanks for one of the most enjoyable excursions participated in by this class; and also to assure you of our sincere appreciation of your labor and untiring efforts to make the trip a success.—CLASS OF 1903.

R. H. R.

CALENDAR.

- May 29.—Weekly meeting of Y. M. C. A. at 7-30 p. m. Topic, "Do not worry."
- June 3.—Inspection of Military Department by Maj. George L. Anderson, U. S. Art., Battalion review at 8-15 a. m.
- June 4.—Band concert on campus at 7-30 p. m.
- June 5.—Weekly meeting of Y. M. C. A. at 7-30 p. m. Topic, "Development of Character."
- June 7.—Baseball game with Boston College on campus.
- June 12.—Weekly meeting of Y. M. C. A. at 7-30 p. m. Topic, "Vacation Christianity."
- June 14.—Baseball game with Wesleyan at Middletown. Grinnell prize examination.
- June 15-18.—Commencement.
- June 19-20.—Admission examinations.

Observations & Conclusions

You have all heard that the new boarding-house and the central heating plant are now assured us. Indeed active preparations for the building of the latter have been going on for sometime. And the legislature, at least that part of it which lately visited us, is in a generous mood as the fact that one individual has promised to secure for our reading-room the free delivery of the Boston papers and free telephone service shows. There is in fact an extremely cordial feeling between the college authorities and those to whom we must look for our very existence as an institution. All this has encouraged our President to make known to the student body his plans for future requests for appropriations. The President thinks that a new chemical laboratory and an agricultural building are needed among other things, and is undecided only as to the shortest time within which it will be wise and safe to ask for them. The "Great and General Court" should not feel that we are not duly thankful for past favors because we are thinking of asking for more. Our President may not believe to the letter the promise, "Ask and ye shall receive," but he does most certainly go upon the idea that ye shall not receive that ye do not ask, and he is a most excellent asker.

The observer agrees perfectly that all these new buildings are needed, but he has some ideas of his own as to a good use for a small appropriation. There is a brook that flows through just enough of our college grounds to be made very beautiful at comparatively little cost. Why could not the mud hole between the chapel and the road be made into a beautiful little pond, not for swimming and boating purposes; but simply as a beautifier? That breeding ground for mosquitoes, toads and leeches looks very beautiful at certain seasons of the year even without improvement, but just about this time when everything else is dressed in most engaging robes, the poor pond looks like an overgrown wash-tub from which has just been removed an exceptionally large weeks' washing of exceptionally dirty clothes. Here and there on the water's placid surface the tender curves of a spotch of grease from the sink of some resident farther up

the stream, stills the waves that rise to kiss the mosquito laden wind; and the roundelay of the merry toad from his seat on a half rotten plank, made soft by the pale green slime which caresses it, hails the noon-day sun as it draws to itself the odoriferous haze that shields the beautiful dust colored wet from its burning glare. And why could not the long talked of improvements to the ravine be drawn from the realm of dreamland into the light of that same mid-day sun? Why, oh why? You will notice that the observer says, "why?" He does not say that these things will be done.

There is another gift from the legislature of which the observer has not yet spoken. It is one that we should prize most highly, "The white flag of the Commonwealth." And while on this point the observer grows a little serious which perhaps in his character of ironclast he has not the right to do. He has noticed with pleasure that only a few, and most of those, freshmen, have failed to salute the flag in the proper manner where it has been placed in front of the chapel to mark the center of the battalion. In the case of the freshmen, ignorance is probably the cause of the omission, the others can plead nothing but carelessness. Either excuse is a poor one; for every American should know, be he civilian or soldier, that Uncle Sam is entitled to at least the salute usually given to a lady. There are some cases of carelessness that are inexcusable. The observer noticed with pride, too, that his mates rose the other evening when the band played the National Air, while very few if any of the listeners outside the college did so. It has always been to him an incentive to patriotism to see the band rise and begin playing the "Star Spangled Banner," and then to see the audience come to their feet and with lifted hats listen in silence till the last strains have died away. These marks of respect should not be paid carelessly nor yet with any mock show. Salute Uncle Sam as you would the best of women, and—well, the observer won't preach any more but "stay in his own backyard."

A few colleges in the west are trying to do away with football.

BAND CONCERT.

The College band gave an open air concert on the campus Friday evening, May 23, the program being as follows:

- Clark Cadet March, Babson
- Overture, Jolly Students, Ferrazzi
- Selection, Big Casino, Rogers
- Cornet Solo, In the Sacramento Valley, Beyer
- M. H. West.
- Coicert Schottische, My Girl, Beyer
- Serenade, Summer Night, Sutton
- The Merry American March, Wheelers
- Star Spangled Banner.

BASEBALL.

TRINITY, 5; MASSACHUSETTS, 3.

Massachusetts went to Hartford, May 8, and were defeated by the above score. The game was the best from a fielding standpoint that Massachusetts had played so far this year notwithstanding the fact that O'Hearn, who has been playing fine ball at second all the season was not able to do any better at short field than the other men who have been tried at that position. The few misplays, however, were costly, and were directly responsible for three of Trinity's runs, while of Trinity's errors—and the two teams tied in that column, only one had any effect on the final score. The team lost because the ten hits made off Goodrich did not come at the right point of the game. In other words Massachusetts' luck was taking a vacation. The score:

TRINITY.						
A. B.	R.	I. B.	P. O.	A.	E.	
Barton, c. f.	4	1	0	3	0	0
Mann, s. s.	4	4	3	3	2	2
Goodrich, p.	4	0	1	0	5	0
Henderson, c.	4	0	1	2	3	0
Bridgman, 1 b.	4	0	1	14	1	0
Allen, 2 b.	4	0	0	3	4	0
Clement, l. f.	4	0	1	1	0	0
Syphax, 3 b.	4	0	1	1	0	2
Easton, r. f.	3	0	1	0	0	0
Total,	35	5	9	27	15	4

MASSACHUSETTS.						
A. B.	R.	I. B.	P. O.	A.	E.	
Cook, c.	5	0	1	6	2	0
O'Hearn, s. s.	4	0	2	3	3	0
Hunt, p.	4	0	2	1	2	0
Paul, 1 b.	4	1	1	9	0	0
Halligan, c. f.	3	1	1	1	1	1
Gregg, 2 b.	4	1	1	0	0	0
Brooks, l. f.	3	0	1	0	1	0
Ingham, r. f.	4	0	1	2	1	0
Total,	36	3	10	24	12	4

Innings.	Trinity.	Massachusetts.
1	2	3
2	0	0
3	1	0
4	0	0
5	1	0
6	0	0
7	0	0
8	0	0
9	0	0
Total	5	3

Sacrifice hits—Barton, Brooks. Two-base hits—Mann 2, Goodrich, Base-on-balls—Halligan. Struck out—Barton 2, Easton, Henderson, Cook, Gregg. Double plays—Ingham to Cook to O'Hearn. Umpire—Beecher.

WILLIAMS, 13; MASSACHUSETTS, 12.

Williams made seven errors and Massachusetts six when those two teams played base-ball at Williams-town May 14, but the hits were not so evenly divided and Williams deserved to win. Massachusetts nearly tied the score in the ninth when a base on balls, three errors, Halligan's single and Hunt's home run, netted half her total score. The score:

WILLIAMS.						
A. B.	R.	I. B.	P. O.	A.	E.	
Brastow, s. s.	3	1	1	5	3	2
Jeffrey, 1 b.	4	1	0	9	0	0
Durfee, r. f.	4	1	0	1	0	1
Dougherty, l. f.	5	2	1	2	0	0
Quinn, c.	5	2	2	9	1	0
Morgan, c. f.	5	0	0	1	0	0
Nesbitt, 3 b.	5	2	5	0	2	2
Watson, 2 b.	5	3	3	0	1	1
Wardsworth, p.	5	1	2	0	0	0
Total,	41	13	12	27	7	7

MASS.						
A. B.	R.	I. B.	P. O.	A.	E.	
Cook, c.	4	0	0	11	2	0
Hunt, r. f.	4	3	2	2	0	0
Bodfish, p.	5	1	1	1	1	1
O'Hearn, 2 b.	5	3	2	2	1	0
Paul, 1 b.	4	2	0	4	0	1
Halligan, c. f.	5	1	1	1	1	0
Gregg, l. f.	5	1	0	1	0	0
Brooks, 3 b.	4	0	1	1	0	0
Walker, s. s.	3	1	0	1	1	4
Total,	39	12	7	24	6	6

Innings.	Williams.	Massachusetts.
1	2	3
2	0	0
3	0	0
4	0	0
5	1	2
6	0	0
7	0	0
8	0	0
9	0	0
Total	13	12

Basest stolen—Paul. Home runs—Dougherty, Hunt. Sacrifice hits—Watson. Bases-on-balls—Brastow 2, Durfee, Jeffrey, Cook, Hunt, Walker. Struck-out—by Bodfish, Jeffrey 2, Morgan 2, Quinn 2, Wardsworth 2, Brastow, Dougherty and Durfee; by Wadsworth, Brooks 2, Halligan, Hunt, Walker. Double play—Brastow to Jeffrey. Umpire—Gamsell.

MASSACHUSETTS, 10; BOWDOIN, 9.

Massachusetts played Bowdoin on the campus May 16, and it took ten innings for the home team to win. The game was not a brilliant one on either side and it was only because the teams were about equally poor that the game was at all interesting. Both teams made three runs in the first inning and after that it was a see saw. Bowdoin really won the game in the eighth inning and it was only the hardest kind of luck that kept the final score from being eleven to nine in their favor. The first two men up were easy outs, but Hunt gave Greene a pass to first and he trotted home on Havey's four bagger. Munro made a hit and when Kelly duplicated Havey's home run, it looked like a merry-go-round. Munro, however, was careless, and was called out for failure to touch sec-

and; so that neither of the last two runs counted. Gregg's difficult running catch and Shaughnesy's one hand catch of a hot liner were features of the game. The score:

MASSACHUSETTS.						
A. B.	1B.	R.	P. O.	A.	E.	
Cook, c.	5	0	0	9	1	0
Hunt, p.	6	0	1	0	4	0
Bodfish, 1 b.	4	2	2	11	5	1
O'Hearn, 2 b.	6	4	1	5	1	0
Paul, s. s.	6	5	2	3	2	2
Halligan, c. f.	5	1	1	1	0	0
Gregg, l. f.	5	1	1	1	0	0
Brooks, 3 b.	5	3	2	0	1	3
Ingham, r. f.	5	3	2	0	0	0
Totals	46	13	10	*29	11	8

BOWDOIN.						
A. B.	1B.	R.	P. O.	A.	E.	
White, 3b.	5	1	2	6	2	2
Stanwood, c. f.	5	0	0	1	0	0
Greene, c.	5	0	2	12	1	0
Havey, 1 b.	5	2	2	12	0	3
Munro, l. f.	6	2	1	0	0	0
Kelly, r. f.	6	4	0	1	0	0
Bly, s. s.	6	0	1	1	0	0
Shaughnesy, 2 b.	5	5	1	1	3	1
Lewis, p.	4	0	0	0	5	0
Totals	45	10	9	128	11	9

Sacrifice hits—Paul, Bodfish. Stolen bases—Bodfish, Paul, Shaughnesy. Two-base hit—Munro. Home run—Havey. First base on balls—White, Greene, 2, Lewis, Brooks, 2, Havey, Bodfish. Left on bases—Massachusetts 13, Bowdoin 12. Struck out—Lewis 2, Stanwood 3, Ingham, Shaughnesy, Bly, Halligan. Batter hit—Green. Double plays—O'Hearn to Bodfish, Bodfish (unassisted). Time of game—2 hrs., 45 m. Umpire—Merritt.

*Munro out for failure to touch second.
†One out when winning run was made.

MASSACHUSETTS, 6; GREENFIELD, 4.

Massachusetts played a semi-professional team last Saturday and won by superior pitching. Both teams fielded well, but Bodfish kept the nine hits made off his delivery well scattered and in no inning was Greenfield able to make more than a single run. Drinkwater was in the air in the fifth and five singles, a sacrifice, and an error brought a quartette of Massachusetts men around the four bases before the dust got out of that pitcher's eyes. Greenfield made a run in the eighth that tied the score; but a pair of two baggers by Gregg and Inham, and Cook's sacrifice enabled the visitors to see them and go one better in their half of that inning. This ended the scoring. A peculiar incident of the game was the fact that Bodfish threw but three balls in the seventh inning. Three Greenfield men came to the bat in a rapid succession and each succeeded in hitting the first ball thrown him. All three, however, were high flies and were promptly squeezed by the outfielders.

The score:

MASSACHUSETTS.						
A. B.	R.	1B.	P. O.	A.	E.	
Cook, c.	3	1	1	6	0	0
Hunt, 1b.	4	1	2	10	1	0
Bodfish, p.	5	1	2	1	2	0
O'Hearn, 2 b.	3	0	0	0	3	0
Ahearn, s. s.	4	1	0	3	0	0
Halligan, c. f.	3	0	2	2	0	0
Gregg, l. f.	4	2	2	3	0	0
Brooks, 3 b.	3	0	2	2	1	0
Ingham, r. f.	4	1	1	0	1	0
Totals	33	6	12	27	10	2

GREENFIELD.						
A. B.	R.	1B.	P. O.	A.	E.	
Cinley, 3 b.	5	1	1	1	2	0
Thompson, s. s.	5	0	1	5	1	0
McMahon, c. f.	4	0	1	1	1	0
Kelly, 2 b.	3	3	0	4	1	0
Shores, c.	4	0	2	5	1	0
Casey, r. f.	4	0	2	1	1	0
Fahy, l. f.	4	0	0	3	0	0
Drinkwater, p.	4	0	0	1	3	0
Austin, 1 b.	4	0	2	3	0	0
Totals	37	4	9	24	10	1

Stolen bases—Hunt 2, McMahon 2, Cook, Cinley, Shores. Sacrifice hits—Cook, Hunt, O'Hearn. Two-base hits—Cinley, Gregg, Ingham. Total bases—Massachusetts 14, Greenfield 10. Left on bases—Massachusetts 9, Greenfield 7. Struck out—Bodfish 2, Gregg, Brooks, Cinley, Fahy, Drinkwater. Umpire—Hawkes.

COMMENCEMENT PROGRAM.

Sunday, June 15.

Baccalaureate Address by L. L. Doggett, Ph. D. of Springfield.

Monday, June 16.

The Flint Prize Oratorical Contest, Junior class, 3-30 P. M.

Speakers: Mr. FRANKLIN, Mr. POOLE,
Mr. PARSONS, Mr. TOTTINGHAM,
Mr. PEEBLES, Mr. WEST.

Open Air Concert by the Cadet Band, 7-00 P. M.

The Burnham Prize Speaking, Freshman and Sophomore classes, 8 P. M.

Speakers: Sophomores. Freshmen.
Mr. O'HEARN, Mr. ALLEN,
Mr. PARKER, Mr. GODDENOUGH,
Mr. PECK, Mr. HUTCHINGS,
Mr. RAYMOTH, Mr. WALSH.

Tuesday, June 17.

Alumni Meeting in the Mathematical Room, 9 A. M.
Annual Meeting of the Trustees, at the office of the Hatch Experiment Station, 9-30 A. M.

Meeting of the Committee on Experiment Department, at the office of the Hatch Experiment Station, 11-30 A. M.

Class Day Exercises 1-30 P. M.

Speakers: Mr. CARPENTER, Mr. DWYER,
Mr. CLAPLIN, Mr. HALL,
Mr. DELLEA, Mr. PAUL.

Battalion Parade, Battalion Drill, 4 P. M.
Suppers of the various classes, 6 P. M.
Reception by President and Trustees, 8 to 10 P. M.
Senior Prom., 10 P. M.

June, 18.

Graduation Exercises, Announcement of Prizes, and Conferring of Degrees, 10 A. M.
Commencement Speakers:

Mr. CHURCH, Mr. LEWIS,
Mr. DACY, Mr. SMITH,
Mr. KNIGHT, Mr. WEST.

Alumni Dinner, immediately following the Graduation Exercises.

Thursday and Friday, June 19 and 20.

Examination of Candidates for Admission at the Botanic Museum, 9 A. M. Two days are required for examination.

Alumni and former students are requested to enter their names on the Register in the Reading Room of the Chapel-Library building, as soon as possible after reaching Amherst.

College Notes.

The Maine trip has been canceled.

At last the Seniors have planted their class bed.

The new state Flag has arrived and is being used on all Battalion drills.

A L. Dacy, '02, has been spending the past week at his home in Boston.

Quite a number of the townspeople attended the concert last Friday evening.

O. F. Cooley, '02, has secured a situation in the Engineers Office at Springfield.

Prof. S. T. Maynard lectured before the members of the Springfield Grange, on May 13.

"Dan" McMahan of the Greenfield team has been coaching the baseball team the past week.

F. R. Church, '02, spent last week in Lowell, where he has been testing the herds of C. I. Hood.

M. F. Ahearn who was called home by the sudden illness of his father last week is now back with us. His father is convalescent.

J. G. Cook and G. L. Barrus, 1903, spent last Saturday fishing at the home of the latter in Goshen. They report a catch of fifty-seven handsome brook trout.

"Some Insect pests of our Fruit Trees" was the subject of an address given by Dr. H. T. Fernald before the Ware grange on May 10.

Messrs. Barnes, Newton and Raymoth visited the Normal School at Westfield Saturday, and afterwards went through the plant of the Springfield Brewing Co.

W. E. Hinds, '99 has received an appointment from the division of entomology of the Agricultural department. He will start work on the Texas cotton weevil at once.

Prof. R. S. Lull lectured before a large audience in Goshen Saturday May 17, subject, "Some of the Ancient Inhabitants of the Connecticut valley and their Western Allies."

The last social event of the season given by the ladies of the Faculty was held in the drill hall, Friday evening May 9, the entertainment consisting of a band concert, and exhibition drill. This was followed by refreshments and a short dance. The event was well attended there being upward of fifty couples on the floor.

A short time ago some unfortunate student, evidently trying some practical joke rang in the college fire alarm. The Amherst Fire department quickly responded and were, to say the least, somewhat vexed to find that they had been fooled. The matter is a very serious one and has been taken in hand by the College Senate and will be thoroughly investigated.

The house committees on "Ways and Means," "Education," "Agriculture," and "Military Affairs" together with many of their friends visited the college on Friday, May 17. Immediately on entering the college grounds they were given a salute of fourteen guns from the field pieces. They then attended chapel after which the Battalion had review and dress parade. The remainder of the day was spent by the guests in inspecting the college. With the exception of drill the day was given over to sports by the students.

Following the custom set by the two previous classes the Seniors indulged in a game of base ball on the day that the Legislature visited college.

The Veterinary Department played the Botany Division. The game was a very interesting one from many points view. Belden made many phenomenal slides to bases for the "Vets." Freddie Church's base running was one of the features of the game.

while "Home Run" Hall managed to get in his usual good work. The line up:

"Vets."	"Botanists"
McCobb, c.	c., Morse
Hall, p.	p., Dellea
Clafin, 1 b.	1 b., Dacy
Saunders, 2 b.	2 b., Dwyer, Plum
Gates, 3 b.	3 b., Dwyer
Belden, s. s.	s. s., West
Knight, r. f.	r. f., Plum
Church, Dr. Paige, c. f.	c. f., Carpenter
Kinney, l. f.	l. f., Hodgkiss

Score: "Vets" 17, "Botanists" 10. Home runs—Hall 5, Knight 1, Kinney 1. Errors, assists, and battery record not kept track of.

Alumni.

'85.—Pres. Goodell has received a letter from Tuclano J. D. Almeida expressing best regards for the college and telling of the difficulties which the Brazilians meet in their work on the coffee plantations. Mr. Almeida is director of one of the agricultural schools in Brazil. Address, "Luis de Quevros' Agricultural College," Piracicaba—Estado de Soo Paulo, E. W. de Brazil, S. A.

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'94.—The growing demand for qualified teachers of nature study in the public schools has led to the foundation of a new summer school under the direction of members of the faculty of the Massachusetts Institute of Technology. The Sharon Summer School as it is called, has among the members of its faculty Mr. A. H. Kirkland.

'95.—Walter L. Morse, 23 East 48th St., New York, N. Y.

'95.—Born, April 10, 1902, a son, Walter Snow, to Wright A. and Anna W. Root. Mr. Root is engaged in market gardening and fruit growing at Easthampton, Mass.

'97.—P. H. Smith was married, May 13th, to Miss Edith Stevens of Amherst. The ceremony was performed at the home of the bride's parents, Mr. and Mrs. Albert S. Stevens. The bride is a graduate of the Amherst High School.

'98.—S. W. Wiley spent a few days in town recently.

'98.—W. S. Fisher is, at present, principal of a grammar school in Southwick, Mass.

'99.—W. E. Hinds has received an appointment in the division of entomology of the United States department of agriculture. He has been instructed to proceed to Texas on work connected with the department.

'00.—Ysidro H. Canto will abandon his studies as medical student and return to his home in Mexico to engage in business.

'01.—E. S. Gamwell, Chemist for the Viscol Co., East Cambridge, Mass.

'01.—W. C. Dickerman is in the insurance business at Brockton, Mass.

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Editorials.

To all members of Massachusetts' alumni who now take the opportunity to visit their Alma Mater, THE SIGNAL extends a hearty welcome.

We wish to congratulate the editors of the Y. M. C. A. hand-book for their success in getting out such a first-class publication. The cover is strikingly handsome and is of full white leather, the front cover being set off by a gold "M" of old English style. The frontispiece is a fine half-tone of South College. In its contents the book follows the general plan of previous publications of its kind. General information concerning the college and town, topics of the society's meetings for the ensuing year, railroad connections, bits of advice and lastly a few blank pages make the book a convenient and attractive pocket memorandum.

ONCE more commencement is with us and as a

natural sequence our minds go back in retrospect over the past year. It has been a year characterized by many changes and advancements in and about the College and on the whole has perhaps been as successful as any year in the history of the institution. In September an exceptionally large freshman class entered, showing the beneficial results of a liberal advertising in which the College authorities indulged during the previous season. The semester plan went into effect at this time. It separated the College year into two equal periods, eliminating the short spring recess and extending the summer vacation two weeks, thus benefitting men who work during the summer.

A pleasing feature of the opening days of the College year was the absence of class rushes. Although there was plenty of class spirit in evidence between the two lower classes, the more brutal tactics were dispensed with. The appearance of two ladies among the freshmen gave a new aspect to College life. Although ladies had previously entered with a manifest intention of completing the course they evi-

dently became convinced that they were out of place and speedily left to parts unknown. The "co-ed" question is a broad one and we are not prepared to take a radical stand on either side; but the fact that the curriculum of the College has been so adapted that ladies can pursue thoroughly practical courses in several branches of science, and the fact that tuition is free and expenses are low will undoubtedly prove an incentive to co-education here.—We will endeavor to reconcile ourselves to the inevitable.

Early in the fall the never to be forgotten question concerning the change of the name of the College was resurrected from its then dormant state and discussed until students, faculty, alumni and the public in general were heartily sick of it and it was laid aside by mutual consent. During the melee, however, the *ACGIE LIFE* became the *COLLEGE SIGNAL* and we are led to believe that the change has met with universal favor. The year's athletics began in a blaze of glory. For several years the success of our teams on the grid-iron has attracted wide-spread attention but during the season of 1901 our victories over Holy Cross, Wesleyan, Amherst Tufts, Boston college, M. I. T. and minor teams, placed us fifth in rank among New England colleges. Basketball, although a newly installed game gave us a large percentage of victories. On the diamond some of our victories have been defeats but the men have put fourth a plucky fight and they deserve much credit. The new catalogue, which appeared early in the spring filled a long felt want and was a decided improvement over the annual College report which had hitherto served as the principal advertising medium of the institution.

For some time the crying need of more buildings and more adequate facilities has been evident. The needs in this direction at last made themselves felt to the Legislature with the result that at this time there are, in the process of construction, two buildings which will add greatly to the efficiency and beauty of the place. And now last but not least, we are to be blessed with a change which though seemingly easy to bring about, has for years resisted the most strenuous efforts of the student body,—namely Junior electives. While a broad and general education is to be desired, the centralization of one's forces along one line of research is necessary to success in nearly every branch of life. It is the time when a person

should turn his attention from the broad field of all knowledge to the narrow way of particular research, which brings up a difficult problem for modern educators. The fact that it is better for the majority of students to begin to specialize along one line of work during the Junior year than during the Senior year is as yet problematical, but from our observations in other institutions we are forced to believe that the right action has been pursued by those in charge of our curriculum.

FOR TENNIS' SAKE.

He knew she was watching, but he had no time to look her way; his whole attention was centered on the ball as it flew from the racket of Burton, Arlington's tennis champion. He was fighting hard and well, not only for his own sake, but for the honor of his old Alma Mater.

Arlington and M—had never met on the tennis court before, and the result of the day was eagerly awaited. The tournament had been arranged as one of the commencement features, and M—had put forward her seven best players to meet Arlington's champions. M—had won one of the doubles and one single and now waited breathlessly for the finish of the last single. Bayard was their hope; he had never failed them before; they felt they could trust him now. But he had a man against him whose equal he had never met and he knew it, and who can blame him if a nervous tremor occasionally did seize his arm, and who would wonder if they knew the struggle he was bravely fighting.

* * * * *

"The moonlight is always dangerous."

"True, but so enticing, as to be always welcome."

"What a philosopher you are growing to be, Ned Bayard!"

"Probably the inspiration is due to my nearness to divinity."

"Now, Ned Bayard, I didn't come out here, to be made fun of. If you're going to say such horrid things you can turn right round and row me home again."

"Well, hang it all, Doris, you know I'm not making fun of you, because I've told you many times before that you are the idol I worship and bow down to, and I'm not the only fellow who does it; and not one is ashamed of the fact being known either. You know I

love you, Doris, only why you won't listen to me I don't understand. If I was always up to some mischief, getting into all sorts of scrapes, there would be some reason for your apparent indifference; but I'm not; and in fact the thought of you has kept me out of these things."

"Ned, we've known each other since we were 'knee high to a grasshopper, haven't we?"

"Yes, and all the better too since we know each other more fully."

"That's just the trouble, Ned, we've known each other too well, and we've been together so much, that there is danger of our tiring of each other. If we were so related that we could not have a change. You think you love me now, but you will meet some one whom you will like better, and if you were tied to me you would be discontented and ours would be an unhappy life."

"Doris, have I not had a chance to compare you with the best of girls since I've been at college, and in four years one meets many people; and have I found one that could compare with you within a shadow of likelihood. You know, for I've told you that I have never met a girl who could in anywise equal you. Do I love you because you are beautiful? Yes, and for far more too. I love you for yourself, dear, whether others could compare with you or not. Only tell me, Doris, that you love me, and nerve my arm for the struggle to-morrow, and you shall be proud of me."

"Ned, you will never, can never understand. Please do not refer to this painful subject again. Now I must request you to row me to shore and take me home, I will not remain here. You have spoiled a pleasant evening for me. I want to enjoy your friendship, but you will not let me. Oh, why can you men not understand? Now take me home, and remember not a word of this again."

* * * * *

A girl laid her head upon the pillow that night with dry lashes, but when she awoke in the morning there were tears under them. Was she sorry? Yes and no. Why couldn't Ned be satisfied with her friendship. She liked him as a friend, but as a—no, not a bit more. And then he was such a good-hearted fellow, and a man through and through, like his noble ancestor. Why couldn't he understand? Then the thought came to her, did she do wrong, and would

she repent it? Well, she didn't love Ned as she would the man whom she should marry, and she wouldn't marry any one, if she didn't love him. Ah, but the heart is very fickle indeed and even its possessor cannot trust it.

* * * * *

The day was as fair as the most churlish could desire. Just a breath of wind to temper the heat of the sunshine. The campus was a scene of beauty and a joy forever to be remembered. The dark caps and gowns interspersed among the white gowns made an exceedingly attractive picture against the green background. As the morning wore on the scene of interest shifted to the rear of Harbough Hall. Here was to be fought and won if possible a battle that held more interest to the students of M—than a hundred charges like San Juan and Spion Kop.

The final event came at last and Bayard knew it depended on him whether the occasion should be a happy or displeasing one for M—. And with a grim resolve he determined to give his Alma Mater the very best of his blood.

The score stood—one all in sets; and four—two in games, with Burton serving. "Was Ned weakening?" The quarry made several fellows knit their brows. No, no, look at that pretty return.

"Forty—thirty."

Now, Ned, forget last night, this is for old M—

"Deuce!"

"Bayard! Bayard! Bayard!"

He responded with a fast volley to the side line; and a faulty cut of Burton's gave him the advantage, while a cross-stroke to the back corner gave him the game.

The game stood three to four. He was always safe on his own serve, but to-day he could not count on it. Why? He could not tell himself, except that a heavy load seemed to weigh upon his chest. He lost and gloom seemed to settle over the faces of the wearers of red and grey.

Five to three. Burton's serve and Bayard weak. But a pretty volley of a high lob brought cheers from his supporters and gave him new strength. Again he won.

Five to four and the sun grew brighter. He won his serve and the sun fairly blazed. For a moment the air was deafening with the cheers.

He was fully alive now. He must forget, he must win.

"Thirty all." A smash full at Burton won the point.

"Thirty-forty."

That was a long reach but he hit it fair. Burton tried a high lob, and nearly caught him, but with a bound he was back at service and caught the ball on the rising and with as pretty a stroke as ever given dropped it over the net, but too easy a ball for his opponent, who sent it towards the side line. It seemed well lost, but by what seemed supernatural strength and agility Bayard caught it with a back hand lob and placed it on the service line.

Now the struggle came. He dare not lose his serve. He must keep steady now if ever.

"Thirty-fifteen."

Ah, M—'s banners were moving gaily.

"Thirty all."

Why that intense stillness?

"Thirty-forty."

Come men brace up and cheer your doughty champion.

"Deuce!"

He tried a high ball, Burton returned it with a fast volley; a cut passed the ball by Burton and the advantage was his. What was wrong? He couldn't see plainly, a film seemed to spread over his eyes. Oh, how could he miss that easy ball. His hand trembled, but he bit his lips and held on.

"Vantage out."

Now Bayard, for dear old M—Hark! Answer that cheer with victory? What was Burton trying? Ah, he saw and with a bound he was crouched at the net; as the slog came, he met it squarely and it killed itself effectively.

"Bayard!"

It was a girlish voice, but it led a hundred voices. He knew the voice, ah, only too well. He turned and received a smile from a blushing face. It gave new life to his whole being. He must win. He would win. Ah, what a cut and Burton could not answer it. "Vantage in."

He sent a drop that was fiercely returned. He tried a pass but was answered by a cross-stroke, which he lobbed to the service line and the game was won.

Then—but there is no need of description, here the

imagination cannot reveal too much. As for Bayard the first chance he had, he sought among the crowd for a missing one, and when he found her by the brook, alone there were tears in her eyes.

"I'm sorry," was all she said, but there was no need of more. Silence is sometimes the best of sympathizers. As they returned she broke the silence.

"I really could not help calling out. It was magnificent, and then when I realized where I was and what I did, I felt so ashamed, not because of you, dear, but—well you know."

"Mever mind, my Doris. We'll brave the world together."

And there was peace over all the earth—at least for two.

RAYMOTH.

NINETEEN HUNDRED AND TWO CLASS SONG.

Tune, "My Old New Hampshire Home."

Four long years we've worked and cheered for Massachusetts.

Four long years we've stood together side by side;

Now as classmates we await the last sad parting.

And the future with whatever may be tide.

No more our colors wave on tower and campus.

No more in triumph rings our vict'ry cheer;

We've met to say goodbye to Alma Mater

And the happy days we've spent together here.

CHORUS.

Loyal sons we'll ever stand

To our Alma Mater grand.

Though no more we roam beneath her sheltering walls;

Still in memory we'll revere

Fonest recollections dear,

Of the days in old Massachusetts' halls.

In the days gone by we've lived for Massachusetts,

And we've seen her grow in power and in fame;

Now, we leave familiar scenes we love so dearly

As to other hands we trust her honored name.

But though no more our lives can be united

And singly we must go our separate ways,

We'll still be true to the class and Alma Mater

In remembrance of our happy college days.

Now have passed our student days at Massachusetts

And the future lies untried but bright before;

While through life we go we'll not forget our college

And we'll loyal be to ties we loved of yore.

We'll wait in hope and joy the glad reunion

When once again we meet as classmates dear;
To sing of Naughty-Two and Alma Mater

And the happy days we've spent together here.

HOWARD L. KNIGHT.

JOHN M. DELLEA.

IVY POEM.

L. C. CLAPLIN.

The World's wide portals lie open
And Summer smiles on all.
While round us the voice of Nature
Invitingly doth call.

So at the threshold let us pause
And feast our gaze in turn
On each fond tie which through years will not
In memory cease to burn.

These college walls, this campus dear,
Each tree, each path, is ours;
And oft through years our thoughts will stray
Back midst their leafy bewers.

Back with those dear old mountain friends,
Four years our guardians they;
Their wooded slopes and rugged heights
Sun kissed at close of day.

Ah may these memories long remain
Deep in our hearts and cling
Fast to the thread that binds our class
Like the Ivy which here we bring.

For ages old the Ivy bold
Has clung to famous wall,
To castle high 'neath foreign sky
And ruined tower tall.

Yet to our hearts more dear by far
Than ruined castle old,
The chapel of our college days
In reverence we hold.

So stone by stone let upward spring
Our sturdy Ivy vine,
And spreading o'er these chapel walls
Forever verdant twine.

So step by step may we too climb,
E'en as the Ivy green,
And at the end look from the top
Back at young manhood's dream.

Smith College girls are obliged to take four hours exercise a week in the Gym during the winter and at tennis, boating, golf, or long walks in good weather. The president believes that a strong mind can usually be found in a strong body.

OBSERVATIONS AND CONCLUSIONS.

The observer has been in battle, he has been under fire. He has heard the bullets whistle under him, over him, around and about him. He has met the enemy and they were not his. The observer has even been accused of conducting an ignoble retreat. The last he resents as a slander. His action may have been misunderstood, but he is inclined to the opinion that jealousy is behind the stories that are being told about him.

The battalion had extended order drill a few days ago, and the sham battle that was conducted by Company A, developed into a very carnival of real bullets and bloodshed without the blood. The observer will be generous and allow that the squad selected to defend Clark Hill against the rest of the company were mistaken in thinking the cartridges loaded for the indoor range were blanks, but the fact remains that several bullets flew within a few hundred feet of the observer's devoted head.

It was an exciting few minutes when the company advanced up the hill in sections, shouting like fiends, and firing wads into the air. Indeed they advanced so enthusiastically, and shouted so lustily, that the order to rest for a minute at the foot of the last hill before attempting the final charge, was welcomed eagerly, notwithstanding the fact that the command to lie down was given while the company was wading through rather a marshy marsh. No sooner however had the men taken a prone position, when the enemy on the hill above fired a volley; and when the slugs which should have been wads, began to sing a medley of popular airs, the attacking party rose as one man and charged forward to seek shelter behind the line of trees to its rear. The observer selected the largest tree in sight. It was all of three inches in diameter, and by keeping his profile to the enemy, and by dodging from side to side, he might have escaped serious injury. On reaching the cover however the observer found four or five privates already taking possession of all the shelter that it afforded. In menacing tone, he ordered them to charge; but discipline was at an end, no attention was paid to his orders, no other tree was without its full quota of defenders, and the observer was at a loss as to the best mode of action. And now, having done his best

to put some courage into the drooping hearts of his men, the observer began to think how the safety of all could best be secured; and just here he executed that masterly flank movement to the rear, which under different circumstances, might have saved the whole company from annihilation.

While advancing up the hill a few minutes before, the observer had called his captain's attention to a body of the enemy who were coming up from behind in such a manner as to put us between two fires. The taking of the hill was going to be such an easy matter however, that it was thought best to pay no attention to this second party until all resistance from the front had been effectually silenced; for with the hill top in our possession, we could defy an army of as many as forty or fifty men. Now however when the company refused to go forward, an attack from the rear would be disastrous. Calling to his men, and waving his bayonet wildly, the observer ran at top speed to a point below the brow of the hill just passed. Arriving here he took a recumbent attitude and looked around for his squad. To his astonishment and chagrin, no one was in sight. On him alone depended the safety of an army, and to make the matter worse, he had forgotten to bring his gun with him. Well, he could at least "die game." Better to give up his life fighting a host, himself unarmed, than to be shot in the back with his face to a tree. And now having looked in vain for those who should have been with him in his extremity, the observer glanced toward the point from which the rear attack might be expected. And there he saw a sight that caused him to give vent to a cheer that might have been heard above the roar of a thousand guns, a cheer that woke the echoes of Tom and Tobey till they shook to the very tips. The observer would have jumped up and cracked his heels together but the bullets were still flying and he considered discretion the better part of valor. The squad in the rear had indeed advanced to the attack, but they too had come within range of the bullets of their friends above, and—well, the observer witnessed just then a rather disorderly retreat.

All danger from this direction being at an end, the observer began again to consider the question of at-

tacking the hill single handed if need be. It would only be necessary to wait a half hour or so until the ammunition of the enemy was exhausted. The observer became so interested in planning the manner of attack that he did not for a few minutes realize that the firing had died down and then ceased altogether. Suddenly, however, he heard a cheer from the front and stood up just in time to see his friends take formal possession of the hill they had so nobly won. Advancing straight toward them, and paying no attention to the jeers of those who had misunderstood the brave part he had borne in the victory, he did not stop until he saluted the commanding officer and delivered those historic words that ended the "Battle of Clark's Hill," "Sir, I have to report that the enemy to the rear is in full retreat. Pursuit is hopeless." And then to the company, "Say, have any of you fellows seen my rifle?"

BATTALION APPOINTMENTS.

Headquarters Clark Cadets,
Capt. John Anderson,
U. S. Army Commandant.

Orders With the approval of the President of the No. 16. College the following appointments of cadet officers and non-commissioned officers are hereby announced to take effect at the beginning of the next college year.

viz: Neil F. Monahan to be Adjutant with the rank of 1st Lieutenant.

Richard H. Robertson to be Quartermaster with rank of 1st Lieutenant.

BAND.

Myron H. West to be Chief Musician with rank of 1st Lieutenant.

William E. Tottingham to be Principal Musician and 1st Sergeant.

Arthur L. Peck to be Sergeant.

Edward A. Back to be Corporal.

COMPANY A.

George L. Barrus to be Captain.

Winthrop V. Tower to be 1st Lieutenant.

Elmer M. Poole to be 2d Lieutenant.

To be Sergeants:

1. Clifford A. Tinker.
2. Harry J. Franklin

3. Stephen C. Bacon.
4. Charles S. Tinkham.
5. Charles P. Halligan.

To be Corporals:

1. William L. Hood.
2. Reuben R. Raymoth.
3. Clarence H. Griffin.
4. Clifford F. Elwood.

COMPANY B.

William E. Allen to be Captain.

Albert Parsons to be 1st Lieutenant.

Edward B. Snell to be 2d Lieutenant.

To be Sergeants:

1. Fayette D. Couden.
2. William W. Peebles.
3. Joseph G. Cook.
4. Howard C. Bowen.
5. Edward G. Proulx.

To be Corporals:

1. Phillip W. Brooks.
2. Gerald D. Jones.
3. Howard D. Newton.
4. Howard M. White.

JOHN ANDERSON,

Captain U. S. Army Commandant.

NINETEEN HUNDRED AND FIVE CLASS BANQUET.

The class of 1905 held a very enjoyable banquet at the Cooley House, Springfield, on the evening of June 6, 1902.

All were in the best of spirits owing to the fact that they had defeated the Sophomores in baseball in the afternoon. They sat down a little after nine to a dinner such as a set of hungry college fellows soon cause to disappear.

Soon after the beginning of the banquet, Mr. Craighead, who had been detained, arrived. He made up the full number of those who had intended to come, so all fear of interference by the Sophomores was at an end. In the course of the toasts a small disturbance was made by the appearance of a few Sophomores. These soon made a hasty exit, and everything continued successfully.

Mr. Gardner was a great success as toastmaster, precluding each one's remarks by words quite appropriate.

"Old '05," by W. A. Munson, president of the class, consisted of the history of the class from the first class-meeting in the Hatch barn, when all were strangers to one another, down through the various events in which it had figured to the baseball game in the afternoon.

"Our Sisters—the Co-eds," by F. C. Pray, was an exhortation to all, whatever their sentiments with regard to co-education, to treat the ladies of the class as gentlemen should.

Thomas Hunt, in his remarks on "1903," spoke in glowing terms of the manner in which the Juniors had treated the class at every turn where it was in doubt or needed help.

If one wanted to learn something about a very important subject he should have been present and heard F. L. Yeaw's "paper" on "The Art of Cribbing."

For a surprise, the few but touching words of L. A. Ranshausen should have been heard. His subject, "Girls, Girls, Girls," he divided into three parts; i. e. he divided girls into three divisions, the good, bad and indifferent. Like many others, he did not believe in extremes, so he advocated indifferent girls as making good acquaintances.

L. W. Hill gave a flowing and highly ludicrous discourse on the science of Zoötechny, which won for him prolonged applause.

"Old Dan Hart" formed quite an important portion of what was said by L. S. Walker. In the course of his remarks he mentioned some of the things done by "Dan" which showed in what esteem he was held by those around college. His whole talk on "College Characters" was very enjoyable.

"Athletics," by C. L. Whitaker, as might have been expected, was the expounding to each and all the duties holden upon them toward the athletic side of their career here.

When some poor Freshman suddenly awakened from a sound sleep in the small wee hours of the morning by the sudden call of "O—all out!" he tremblingly draws on his clothes and runs out with visions of the pond floating through his brain. The above was ably depicted by G. H. Allen in "A Midnight Tramp."

The toasts closed with "Where Are We Bound?" by A. N. Swain, in which he spoke of the likelihood '05 had of retaining the greater part of its present

large number next year, and with such a class, what a chance it had of having some men who would be well known in later years. He also urged his classmates to be looking forward and not to be thinking merely of the "fun" which can be had at the present time.

BASKETBALL REPORT.

Season of 1902.

RECEIPTS.

Subscription from college,	\$118 00
Collected at door:	
Northampton Y. M. C. A.,	7 15
Amherst,	20 50
Ludlow A. C.,	45
Hartford Y. M. C. A.,	5 00
Chicopee Parish House,	2 25
Trinity,	3 00
Wesleyan,	2 75
	\$159 10

EXPENSES.

Pants and jerseys,	\$15 80
Shoes,	9 11
Stamps and stationery,	5 50
Ball: repairs on ball and baskets,	7 50
Registration in A. A. U.,	2 50
Sanction of A. A. U.,	2 00
Tickets and printing,	4 75
Posters,	1 75
Tape and liniment,	1 00
Car fares,	1 75
Washing suits (twice)	3 12
Screens,	13 40
Paint and outlining floor,	80
Chalk dust,	1 40
Car fare to Springfield and Chicopee,	1 50
" Williston (Brown's Mgr.)	60
Telegrams and telephones,	2 05
Cheese cloth for baskets,	40
	\$74 93

Guarantees:

Northampton Y. M. C. A.,	3 20
Amherst,	1 00
Ludlow A. C.,	8 80
Hartford Y. M. C. A.,	16 00
Chicopee P. H.,	6 00
Trinity,	20 00

Wesleyan,	30 00	\$85 00
Total expenses,	\$159 93	
" receipts,	159 10	
Net loss,	83	
Respectfully submitted,		
J. H. BELDEN, Mgr.		

CONTRIBUTION.

FROM W. R. MOODY, MANAGER OF NORTHFIELD CONFERENCE.

Northfield plans to entertain young men more extensively this year than ever before. A new departure has been made by establishing a summer Bible school. At the request of friends, the whole month of July is reserved for that purpose. The lecturers are Rev. G. Campbell Morgan, Dr. W. W. White, and Rev. John Kelman of Edinburgh University. It is a rare chance for college men and Y. M. C. A. workers. The lectures come in the morning and none of them are compulsory. Afternoons for recreation. "Camp Northfield" will be open, golf links near, boating, tennis, fishing and swimming; everything in the line of out-door sports. The Students' Conference, with John R. Mott as leader, will be in progress from June 27 to July 6, and any visitors to Northfield during that time may share both the Bible School and the platform meetings of the conference. No tuition fees are charged, and the delegates to the conference are privileged to remain after the 6th and attend the school.

College Notes.

Freshmen, 8; Sophomores, 7.

The class of '99 holds a reunion at college to-day. Chef N. T. Reardon leaves the 18th, and will not return.

The game with Boston College was cancelled by Manager Gates.

The Freshmen held their class supper in the Cooley House, Springfield, Friday, June 6.

North College dormitory is to be given over to the use of the contractors' men during the summer months.

Alumni.

'72.—C. Burleigh Bell is at present situated as clerk in McDonald's Pharmacy, 110 Grand Ave., San Francisco, Cal.

'72.—Frank C. Cowles has recently visited the College. He is at present engaged as civil engineer and draughtsman with the Norcross Bros. Co., No. 10 East Worcester St., Worcester, Mass.

'72.—Lemuel B. Holmes has been appointed judge of the Massachusetts superior court.

'73.—D. P. Penhallow, who is connected with the marine biological laboratory of Wood's Holl, has a book in the library containing a lecture on "The Nature of the Evidence Exhibited by Fossil Plants, and its Bearing upon our Knowledge of the History of Plant Life."

'76.—There is a new book in the College Library containing the genealogy of Joseph E. Root, B. S., M. D., of Hartford, Conn. It is a reprint from the "Commemorative Biographical Record of Hartford County." It is a short record of the ancestry and life of one of our most worthy and honored alumni. His family has contained many noted men among whom we may mention, John Putnam, an ancestor of Gen. Israel Putnam, of Revolutionary fame. Dr. Root received his early school training in the public schools of Barre, Mass. In 1876, he received the degree of B. S. from this college. He studied medicine at the College of Physicians and Surgeons of New York, graduating therefrom in 1883. While at "Massachusetts" he was one of the Farnsworth prize speakers in his freshman and sophomore years, and a commencement speaker at graduation. Dr. Root is not only prominent in his profession, but also socially, in various clubs and organizations. He has many literary works which have given him a wide and well deserved prominence. Among them are, "Early Discovery of America by the Norsemen," "Hunting Trips in the Rocky Mountains," and no less than seven medical treatises.

'82.—C. S. Plumb has recently been elected professor of Annual Husbandry in the Ohio State University.

'85.—Benoni O. Tekirian was married on the 5th

The farewell banquet of the Senior class will be held at the Bloody Brook House, South Deerfield.

A. L. Dacy and C. E. Dwyer have returned, having spent a week at the Arnold Arberetun, where they have been studying Botany.

G. L. Barrus and P. W. Brooks went trout fishing in Goshen last Saturday. They had but fair luck, catching but twenty-seven in all.

Work is being pushed forward rapidly on both the heating plant and the new boarding house. The former will be completed in September, the latter about December 1st.

The following men have been detailed to act as ushers during Commencement: M. H. West, G. L. Barrus, W. E. Allen, N. F. Monahan, A. Parsons, W. W. Peebles, W. V. Tower, E. B. Snell, H. C. Bowen, E. M. Poole, C. S. Tinkham.

At a joint class meeting of 1903 and 1904 the members of the College Senate for next year were elected, as follows: 1903, E. B. Snell, M. H. West, C. P. Halligan, H. J. Franklin. 1904, G. E. O'Hearn, F. D. Couden, J. W. Gregg, R. R. Raymoth.

The college were treated to a surprise the other morning when they discovered a large white flag on the flag-staff bearing the numbers '05. The flag had been placed there the night before by some daring Freshman, who climbed to the top of the 100-foot flag-pole and nailed on the emblem. It remained there all the day of the Sophomore-Freshman baseball game, and was taken down that night.

During the past few weeks F. R. Church, E. S. Fulton and W. A. Conant, the latter one of last winter's short course men, have been employed under the direction of the Division of Foods and Feeding in making confirmed butter tests at the celebrated Hood farm, situated at Lowell, Mass. N. J. Hunting was also employed making tests of dairy animals at the farms of N. I. Bowditch, Framingham, and the Hon. F. L. Ames, North Easton, ascertaining their qualifications for entrance in the advanced register of the American Guernsey Cattle Club.

During the past twenty years the University of Wisconsin has increased her student list from 481 to 3000.

of May at New York city, to Miss Madge T. Tilley. Address, 519 1-2 Fallsade Ave., Jersey City, N. Y.

The Class of 1892 will hold a reunion and class banquet at the Mt. Toby house, Sunderland, Tuesday afternoon at six o'clock.

'92.—F. G. Stockbridge is at present situated at Wyebrook, Pa.

'92.—F. H. Plumb, assistant editor of the *New England Homestead* will take a few months vacation to recuperate.

'92.—Dr. R. R. Lyman has disposed of his practice in Hartford, Conn., and has opened a firm in Boston under the name of Lyman & Lyman.

'95.—Albert F. Burgess, chief inspector of nurseries and orchards of the state of Ohio. Located at Columbus, Ohio.

'95.—E. A. White, professor of botany, forestry and landscape gardening, Storrs, Conn.

'01.—George R. Bridgeforth has accepted a position at Tuskegee, Alabama.

'01.—Thomas Casey, student of law with John F.

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10.00 "	6.58 "	1v. Palmer	ar. 7.36 " 7.36 "
10.50 "	8.01 "	ar. Worcester	1v. 6.25 " 6.10 "
11.50 "	9.08 "	ar. Boston	1v. 5.00 " 5.00 "

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'01.—Max Schaffrath, bookkeeper for Chas. P. Alden, wholesale and retail druggists. Address, 68 Plainfield St., Springfield, Mass.

'01.—J. H. Todd is with the Home Correspondence School of Springfield.

Ex.—'01.—William B. Rogers, a member of Co. D., 15th Infantry, is at the General Hospital, Presidio, San Francisco, Cal.

Intercollegiate.

Dartmouth has won the first of a series of athletic meets in their triangular league. The scores are as follows: Dartmouth, 64 1-2; Tech, 48; Brown, 22 1-2.

Princeton defeated Wesleyan last Wednesday in a poorly played game. At the finish, Wesleyan had fourteen errors to her credit.

In the tri-angular league tennis tournament, Amherst won first place in the singles and Williams is first in the doubles.

Many students often wonder how the Sophs treat the Freshmen in the girls' colleges. Here is the drill they are put through at Wellesley. They are each met at the station by an upper-class girl and helped through all their troubles during the first few days. Then come receptions, one after another in quick succession all through the fall and winter. Even the Sophomores give them a reception and the girls are actually sorry to enter the upper-classes. How can they live without having, at least, a little fun with the Freshmen.

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