

The M. A. C. RECORD.

MICHIGAN STATE AGRICULTURAL COLLEGE.

VOL. 8.

LANSING, MICHIGAN, TUESDAY, OCT. 14, 1902.

No. 5

NOTICES.

LOST.—A chemistry text-book, Remsen's Organic, between White Tavern and Abbot Hall. Finder please return to E. Mancl, White Tavern.

The first number on the College Entertainment Course will be given in the Armory Wednesday evening, Oct. 29, by the "Roney's Boys" Concert Company, of Chicago. Information concerning the whole course will be given in THE RECORD next week.

FARMERS' CLUB.

A meeting of the Farmers' Club was held Wednesday evening, Oct. 8th, and the following program rendered:

President's Address, E. O. Elmer.

Report of an experiment to determine the effect of the age of seed upon the germinating power of corn, wheat and clover seed, S. F. Gates.

Report of an experiment to determine the amount of water removed from the soil by weeds, A. C. Miller.

Suggestions on improving the club, Dr. Waterman.

Discussion of experiments.

F. O. Foster was elected recording secretary to fill vacancy.

The next meeting will be held Oct. 22d. All agricultural students will find it profitable to attend these meetings.

FORESTRY AT M. A. C.

The course here presented has been adopted by the faculty. It has been planned to give as broad general training as is possible consistent with the special training necessary to a forester. There are very few subjects in the freshman and sophomore years in the regular agricultural course that do not have a distinct bearing on forestry, but for the present it is not considered advisable to attempt a change for forestry students until the beginning of the junior year. By following this plan the students are not compelled to make a choice between the horticultural, agricultural and forestry work until they have been at the College for at least two years.

The work in the winter term of the sophomore year gives the agricultural students an idea of what forestry is and sufficient information that they should know how to manage small forest areas that may happen to be on the farm so that they will yield continuous revenue, or if there are no such areas, how best to produce and maintain such.

It is hoped that with the general advancement that some of the supplemental work now in the junior and senior years may be covered in the earlier years of the course and be replaced by more technical subjects.

The plan is not to give a large number of students a smattering of forestry, but to give a few men such training as will fit them for the business.

The pieces of woodland on the college farm, amounting to 130 acres within sight and easy walking distance from the class-room, afford exceptional opportunities for practical field work in the study of species, ecological conditions, surveying, mensuration, valuation and the like. In addition to this, ground has already been assigned for a forest nursery, and seed planting will begin within a few days. This will give students practical work in silviculture.

The time to be spent in the forests of the northern part of the state in the spring term of the senior year is intended to give students opportunity to observe the common practice of milling and logging, and to come face to face with the problems of ways and means of harvesting the crop of timber and maintaining continuous forests.

SOPHOMORE YEAR.

WINTER TERM.

Elements of Forestry, 2 hours per week. Required of all students in agriculture and those who expect to continue in Forestry.

JUNIOR YEAR.

FALL TERM.

Elements of Forestry, 3, 4 hours field.

Forest Botany, 2.

* Horticulture 3 a, 5.

* Botany 9, 9 hours laboratory.

* English 4, 3.

* Political Science 2, 5.

WINTER TERM.

Elements of Forestry, 5.

Wood Technology, 3, 4 hours laboratory.

* Horticulture 5 b, 10 hours laboratory.

* English 5 a, 3.

* English 3 d, 1.

* German 1 a, 5.

SPRING TERM.

Silviculture, 5, 4 hours field work.

Physiological Botany, 4 hours laboratory.

* English 3 e, 1.

* Sanitary Science 5, 2.

* German 1 b, 5.

SENIOR YEAR.

FALL TERM.

Forest Mensuration, 4 hours field work.

History of Forestry, 2.

* Civil Engineering 2, 5.

* German 1 c, 5.

* Zoology 3, 5.

WINTER TERM.

Forest Protection and Regulation, 3.

Diseases of Trees, 2.

* German 3 a, 5.

* Civil Engineering 3, 5.

* Geology 1, 5.

SPRING TERM.

Forest Valuation, 5.

* German 3 b, 5.

* Geology 2, 5.

* Meteorology, 5.

Subjects starred (*) are taken from present schedule.

It is expected that two weeks during the latter part of the spring term of the senior year will be spent, under competent supervision, in the forests and logging camps of the northern part of the state.

'01 and '01m. W. S. Palmer is at Kalkaska, Mich.; R. W. Case, m, is with Chas. B. King, mechanical superintendent for the Sinto Gas Engine Co., 1745 Jefferson avenue, Detroit. D. B. Finch, with '01m, is located at Tecumseh, Mich.

MILITARY NOTES.

Major Vernou and his officers have been giving the new and old men drill on the scheduled days since the opening of school. The new men do not have their uniforms yet owing to delay on the part of the uniform outfitters. Several of the officers are also lacking swords.

The "setting-up" exercises have taken up so far a considerable part of the time allotted for drill as has also the first principles in marching. All indications point to another successful year in the military department at M. A. C.

The first military of the season was given Friday evening in the Armory. The attendance was not so large as on some former occasions but the evening was none the less thoroughly enjoyed. Dr. and Mrs. Waterman and Prof. and Mrs. Vedder were chaperones.

MUSEUM ADDITIONS.

Among recent donations to the Museum is a fine specimen of the King Rail or Fresh-water Marshhen, from W. S. Hinds, '05, taken alive near M. A. C. on Sept. 21. This is the least common of the several species of rail found in this vicinity.

Mrs. Howard Edwards has presented the Museum with two large, coral-like masses of *Serpula* tubes encrusted with layer upon layer of Bryozoans or moss animals. They were found on the shore at Virginia Beach, Va.

Professor C. F. Wheeler, previous to his departure for Washington, gave the Museum several nice specimens, the most important of which were two skulls and some other bones of Indians, exhumed from mounds at Duck Lake, Montcalm county, Mich. With these bones was found a large augur-like implement or ornament made from the columella of a large sea-snail or whelk which must have been brought from the Atlantic coast.

Professor E. E. Bogue adds to the collections three of the peculiar jug-shaped mud cells or nests of the solitary wasp, *Eumenes*.

From Mr. C. H. Waterstradt, of Wakelee, we have received a specimen of the Osprey, or Fish Hawk, and a Red Bat.

During the summer vacation Professor Barrows spent a fortnight at Cataumet, Mass., on Buzzard's Bay, and made a collection of marine invertebrates, including sea-anemones, star-fish, worms, mollusks, crabs, etc., some of which will be used in laboratory work during the present term and the remainder placed in the Museum.

'01. Hugh Baker, '01, spent a few hours at the College recently on his way to Yale, where he intends taking post-graduate work. He has been working in the state of Washington under the Forestry Division. He is very enthusiastic over forestry and says there is a great opening for good men in this line of work.

ALUMNI.

'64. Mrs. Lewis Vanderbilt, wife of Lewis Vanderbilt, '64, died after an operation for appendicitis on September 15, at Peekskill, N. Y. Mr. and Mrs. Vanderbilt removed to New York from California a year ago.

'73. James Morrice is candidate for the State legislature, House of representatives, for Emmet county.

'83. Judge E. F. Law is a candidate for re-election in the St. Clair county judicial circuit.

'89. The leading article in *The Popular Science Monthly* for October is entitled "A Study in Plant Adaptation," by J. W. Toumey, professor of forestry in Yale University.

'89. Gager Calvil Davis, '89 M. A. C., Emily Elizabeth Tyler, married, Wednesday evening, October first, nineteen hundred and two, Pasadena, California. At home Fridays, after November first, No. 1721 Arapahoe street, Los Angeles.

'89. Mr. Edward N. Pagelsen, attorney at law, late examiner United States patent office, announces that he has opened an office as solicitor and counsel in patent, trade-mark and copyright causes, room 70 Buhl block, Detroit, Mich. Mr. Pagelsen called at the college not long since.

'90m. Prof. J. R. McCall is associate professor of thermodynamics at Purdue University. Prof. McCall comes to Purdue from the University of Tennessee.

'91m. E. P. Safford, at present roadmaster with the Lake Shore & Michigan Southern railroad, has recently been conferring with Dr. Beal with reference to the best method of destroying the Canada thistle.

'93. Wendell Paddock, professor of botany and horticulture, Fort Collins, Colo., called at the College last week on his return from New York City.

'93m. E. Noyes Thayer received first prize in *The Century* competition of humorous drawings. The drawings were published in the September number.

'95. H. E. Ward, who is in charge of the Bacteriological Dept. University of Ill., sailed for Europe Aug. 1st, to study in Germany, France, Switzerland and Denmark.

'97. E. D. Sanderson, recently entomologist for the Delaware Agricultural College, is now entomologist for the Texas Agricultural College, located near Bryan.

'97-'98. The wife of E. E. Elliott, a former M. A. C. student, died at Pullman, Wash., Sept. 19, of peritonitis.

Ex. '99. In the middle of the summer, C. P. Reynolds had a series of four articles in the *Chicago Drovers' Journal* on various phases of work at M. A. C.

THE M. A. C. RECORD.

PUBLISHED EVERY TUESDAY DURING THE
COLLEGE YEAR BY THE
MICHIGAN STATE AGRICULTURAL COLLEGE

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TUESDAY, OCT. 14, 1902.

IT IS sometimes difficult to know what to insert in the editorial column. We do not pretend to be felicitous in giving sage advice and for various reasons unnecessary to explain we do not care to adopt any particular standard as our guide from week to week. Consequently we are reduced to the extremity of certain metropolitan and so-called independent newspapers. We state, or try to state, things as they are, leaving the reader to draw his own conclusions.

The following editorial taken from a metropolitan newspaper may prove of interest to RECORD readers, while at the same time giving us matter for our editorial column: "Of 141 students who took an entrance examination in spelling for Northwestern University 85 missed 20 or more words out of a list of 150 which was fairly selected without special search for the unusual and the difficult. The comment of Professor Clark on the showing is: 'As long as the word method of spelling is taught in the public schools, just so long will boys and girls enter college unable to spell correctly.' This is not an unreasonable deduction from his experience past and present, but if his theory is wrong there is still a very unsatisfactory condition to be explained. Irrespective of all theories, it is clear that the schools are not doing what they should to make good spellers."

If there be any student or member of the faculty at M. A. C. who has trouble in spelling correctly, in the light of the above, let that individual take heart. And while on the subject of spelling, it may be well to note that the habit of reading extensively and understandingly the best authors will do much toward making one spell correctly. It may be possible that too much close application to the details of certain lines of work together with too little time for speculation and, strange to say, freedom of individual thought is a cause of incorrect spelling on the part of the student.

Prof. Stanton of Ames is now acting president of the Iowa Agricultural College.

LARGE SCORE MADE.

M. A. C. ran away with Hillsdale Saturday by a score of 35 to 0 in two halves of 20 and 14 minutes each, the last half being cut short to allow the visitors to catch their train.

At 2:35 p. m. M. A. C. took the west goal and Childs kicked off to Hillsdale's one-yard line, Boone returning the ball 10 yards before the down. Hillsdale made short gains, losing the ball on a fumble. On the first play by M. A. C. Childs ran 20 yards for a touch-down, also kicking goal.

Hillsdale took the west goal and kicked off 15 yards to Kratz, who returned 3. On three plays Childs took the ball 3, 4 and 10 yards respectively. Smith took 10 and Childs 20 and then the ball was fumbled and M. A. C. lost 18 yards, though the ball was still retained. M. A. C. failed to make the required distance and Hillsdale took their turn, Tacey in the meantime taking the place of Boone who had wrenched his ankle.

Hillsdale made 13 yards on three plays and then lost 2½. M. A. C. held for downs and by consistent playing got another touchdown and goal.

The visitors again kicked off, this time 35 yards. On the second play Childs got away for a sixty yard run, the most spectacular feature of the game. Gains of from 3 to 12 yds. on each play gave M. A. C. another touchdown, goal being easily kicked.

The remaining touchdowns for M. A. C. were obtained as were the first two. Cortright, Kratz, and Peters occasionally carrying the ball and gains of from 1 to 20 yds. being made.

M. A. C. got their plays off faster than was the case a week ago and also played a better defensive game. There is some prospect that Drew may be obliged to give up playing, which would be a serious loss to M. A. C.

M. A. C.		HILLSDALE.
Cortright	r. e.	Wolf
Kratz	r. t.	Zimmerman
Meek	r. g.	Mitchell
Decker	c.	Rice
Nern	l. g.	Taylor
Bell	l. t.	Duross
Peters	l. e.	Knapp
Childs, D.	q.	Rowe
Childs, H.	r. h.	Johnson
Smith	l. h.	Hughes
Drew	f.	Boone Tacey

Referee, Dudley. Umpire, Parrott. Linesmen, Davis and Swales. Timers, Reynolds and Martin. Time of halves, 20 and 14 minutes. Touchdowns—H. Childs, 3; Smith, 2; Drew, 1. Goals—H. Childs, 5.

NOTES ON THE GAME.

M. A. C. did clever work in catching the ball when kicked out for goal, D. Childs being especially good at the business.

Boone was the best man on the Hillsdale team and his injury early in the game was unfortunate.

Hillsdale at no stage of the game made over fifteen yards without losing the ball.

Drew has proved to be a hard line buckler and is also effective in breaking through and helping the M. A. C. back field along.

The yelling at Saturday's game was more consistent and effective than in the Detroit game.

Hillsdale seemed to play for wind very often, the supposed injuries being largely mythical.

M. A. C. was penalized two or three times, once for holding.

Depew did not play with Hillsdale, as he expects to go to the U. of M. next year, and is anxious to enter athletics there, having but one more year to compete.

There are several men playing on class teams who should be trying for the first team.

On Wednesday M. A. C. met the U. of M. and the latter succeeded in making a large score. New men were frequently put in for the U. of M. so that their team was fresh all the time, comparatively speaking.

For M. A. C., Drew made one gain of thirty yards and Childs barely missed sending the ball over the bar on a place-kick from the forty-five-yard line.

Though the score would not seem to indicate the fact, U of M. rooters say that M. A. C. played a better game than did Case. Three times M. A. C. held U. of M. for downs and three times M. A. C. made the necessary five yards.

The line up:	M. A. C.
Redden—Dunlap—	
Sterry Left end	Peters
Forrest—Law-	
rence Left Tackle	Bell
McGugin—	
Turner Left Guard	Nern
Gregory—	
Gooding Center	Decker
Carter Right guard	Meek
Maddock Right Tackle	Kratz
Cole Right end	Cortright
Weeks Quarter	D. Childs
Graver—Dickey—	
Jones Left half	Smith
Herrnstein—	
Kidson Right half	H. Childs
Lawrence—Baker Fullback	Drew
Touchdowns—Herrnstein 7, Graver 3,	
Redden 2, Cole 2, Dickey 3, Jones 1, Carter	
1, Kidson 1. Goals from Touchdown—Law-	
rence 19. Umpire Richardson, of Michigan.	
Referee—Thomas of Michigan. Time of	
halves—20 minutes.	

'00. Parks and Parker, '00, are the largest wholesalers of milk in Grand Rapids.

'01. Miss Fleta Paddock, '01, has been appointed instructor in domestic science in the Saginaw high school.

'02. E. I. Dail and J. A. Dunford are working for Parke, Davis & Company, Detroit. They are room-mates at 755 Monroe avenue. Mr. Dail is in the biological department and is engaged in an investigation of commercial starters. Mr. Dunford is in the biological department.

Y. M. C. A. NEWS.

Edward Everett Hale, a famous and aged divine of Boston, Mass., in the *Outlook* for Oct. 4th writes as a man of experience in contact with Harvard University: "For myself, I thought then, and I think now, that attendance at prayers should be placed in our Colleges where elective studies are placed. I think a man who attends chapel six times a week should be credited for three hours of public attendance, exactly as if he had elected Greek for the same length of time."

Thursday evening prayer meeting was led by H. N. Hornbeck. Theme: Qualifications necessary for the greatest service in God's plan for man's highest good and happiness here in the world. The attendance was good and the spirit and enthusiasm excellent. Next Thursday evening the prayer meeting will be held in the Y. M. C. A. room and we earnestly desire that every Y. M. C. A. man, associate as well as active, with members of the faculty may be present. Come one, come all, and help fill the hall.

Chapel services Sunday morning were conducted by Dr. Dodds, pastor of the First Presbyterian church, Lansing. Text, 2 Cor. 13:11, "Be perfect." St. Paul had in mind much the same thing that God had when he said, "Be ye holy, for I am holy." Now St. Paul did not mean that we were to be, or even could be as perfect as God, nor did God mean that we were ever to be as holy as He is, but He does mean that we are to be perfect, holy Christians, "pressing toward the mark for the prize of the high calling of God in Christ Jesus."

The union meeting of the Y. W. and Y. M. C. A. Sunday evening, was conducted by Dr. Waterman. Theme, "Count the cost." It is wise to always count the cost of being a Christian, but it is a more vital thing to count the cost if we are not or do not become Christians, "For what shall it profit a man if he gain the whole world and lose his own soul, or what will a man give in exchange for his soul." We ought always to count the cost in whatever we undertake, and always to remember that no young man can afford to go through life not a Christian.

'99. W. K. Brainard, who has been spending a few days at the college, left Sunday for New Orleans, where he will teach agriculture and mathematics in Leland University.

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ABOUT THE CAMPUS.

Dr. Kedzie as we go to press is critically ill.

Dr. Beal is looking up those in the College community who have a vote this fall.

E. S. Good received a visit one day last week from Miss Vanderwerf of Grand Rapids.

The farm department has sown its wheat and all the silos have been filled and the remaining corn put in shock.

Mrs. M. L. Dean has gone to Napoleon to care for her father who was seriously injured recently by a severe fall.

Prof. Weil attended, last week, the Detroit convention of the Association of Street Railways of America, where he was an invited guest.

Mr. R. L. Brown is engaged in labeling the trees on the campus. Brass stencils are used, having both the Latin and common name of the particular tree.

The horticultural department contemplates extensive improvements along the river in the neighborhood of the ice-house.

Mr. and Mrs. L. F. Jenison recently attended the wedding of Miss Ide to Mr. Robert Larned at the home of Governor and Mrs. A. T. Bliss in Saginaw.

A mass meeting was to have been held in the chapel Friday p. m., but there was not a sufficient number on hand to make the meeting a complete success. New yells printed on cards were passed around in preparation for Saturday's game.

Mr. Louis Michael is the new instructor in chemistry.

Professors Shaw and U. P. Hedrick spoke at the Farmers' Institute, held in Mason, Saturday.

Pres. and Mrs. Snyder and Prof. and Mrs. C. D. Smith are home from their trip to Atlanta, Ga.

Prof. Bogue and the forestry students are busy collecting seeds of trees for the experimental planting in the spring.

The Chapel Hymnal, the new hymn book for morning and Sunday services contains some excellent, standard hymns and is a welcome addition to the chapel service.

The *Daily Maroon*, the University of Chicago daily has come in exchange for the *RECORD* and may be found in the pigeon hole labeled Gray Jacket in the library. The *Kentucky Collegian* is another new exchange.

Allejandro Freyre, of Argentine, South America, has registered for special work in dairying. He expects to go back to his native country to start creameries and cheese factories as soon as he has completed his studies in this country.

About one hundred students met at the chapel Thursday noon and organized a Republican Club, Will J. Wright acting as temporary chairman. Committees to draw up a constitution, to submit yells, etc., were appointed, and it is expected that the club will soon be able to co-operate with other clubs for the interest of the party in the coming campaign.

P. M. Lyman took a civil service examination last week in Lansing.

Three juniors and two seniors are taking the work in forestry.

The statistics are being prepared for the report of the secretary of the State Board of Agriculture.

A. D. Peters received a visit from his father Saturday. Mr. Peters saw Hillsdale go down to defeat.

Prof. Barrows lectured in Battle Creek last week and while there had a short visit with Miss Cimmer, '01.

A large crowd of students welcomed home the team from Ann Arbor, Wednesday evening. This is the right kind of spirit.

The *Olivet Echo* says that the prospects for a winning football team at Olivet were never better than they are this year.

It is practically assured that the new postoffice building will be commenced at once. The site is near the present street-car station.

On Saturday afternoon the freshmen beat the juniors at football 5 to 0. Yesterday the sophomores were beaten by the seniors 21 to 0.

Prof. Bogue has recently received from the Cleveland Cliff Iron Co. six grades of pig iron, samples of light and heavy oil, a sample of crude tar, three grades of wood alcohol and a sample of pyroligneous acid and some acetate of lime, all of which contributions, the iron being excepted, are products of wood by distillation. Some samples of charcoal were also sent by the same company.

As the coal question is a live one at M. A. C. the following item may be of interest to those who are seeking the elusive commodity. The Saturday *Chicago Tribune* contained a two column article describing a new fuel that is meeting with success in that city. Kerosene oil is poured over terra cotta bricks and the bricks placed on a bed of coal in the ordinary range or furnace. Enough heat is generated both for cooking and heating purposes.

The porous quality of the bricks causes a slow absorption of the oil and after the bricks are ignited a gas is generated which causes a steady flame. One cent's worth of kerosene was sufficient to cook a meal of victuals in an ordinary cook stove, five different dishes being cooked. Twenty cents' worth heated a room all day, besides furnishing heat for the cooking of three meals and the doing of the family washing. In doing this work twelve bricks were used in relays of three each. The *Tribune* article was illustrated from actual tests. Lansing people have tried this new method and have found it successful.

We notice at the head of the editorial column of the M. A. C. *RECORD* the names of some of the editors, running something like this: "W. R. Hough, '05 m.," etc. Unfortunately "m" is an uncommon abbreviation to us; we presume it means "maybe."—*A Kansas College Paper*. That the meaning may be clear, we explain that "m" indicates that a student is in the mechanical course. Students in the agricultural course are undesignated.

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BLOCK.



DEBATING CLUB.

The regular meeting of the M. A. C. Debating Club was held in Classroom No. 7, College Hall, Thursday evening.

At the business meeting a team consisting of Messrs. Elmer, J. W. Nelson and Morbeck, with Howard L. Severance as alternate, was elected to represent the Club in the inter-society debate.

G. C. Morbeck was elected Club editor on the RECORD staff.

The debate of the evening was, "Resolved, that the operators of the anthracite coal mines should be commended for refusing the demand of the striking miners." Affirmative speakers Messrs. Gunson and Ray Thomas. Negative, Messrs. P. H. Stevens and Morbeck. Judges decided in favor of affirmative.

The subject for debate at next meeting is, "Resolved, that the College should erect dormitories enough to accommodate the students." Being a subject of local interest, a large attendance is expected.

ATHLETIC NOTES.

No business meeting was called during the week. A mass meeting to practice yells was held Friday afternoon, with good attendance by new students. The result was shown in improved yelling at the Saturday game, although the students should try to get together better.

Financially the game Saturday was quite successful, and the small deficits from the Notre Dame and Detroit games were covered. The expenses for the Michigan game were borne entirely by M. A. C., and those for the all-freshmen will be borne by Michigan. The chances seem good for a large crowd next Saturday, and this deficit should be more than covered.

Although the score at Ann Arbor was rather discouraging, still we came very near to scoring, and the principal defect was in lining up slowly against Michigan's very fast formations. In fact Michigan generally gave the signal for each play at the preceding down, and the ball was sometimes snapped before M. A. C. was off the ground. This point was adopted in modified form by our team Saturday, and the whole playing of the men showed they had learned a good deal from their trip of Wednesday.

We regret to state that on account of health Mr. Drew has been obliged to withdraw from the eleven. This will be a decided loss. The place will probably be filled by Agnew or Strand.

Recently several things belonging to men playing in the football team, have been stolen from the dressing rooms in Abbot Hall. Stockings, shin-guards, nose-guards, shoes, and football trousers have been taken.

Any man who is mean and low enough to deliberately steal such things, should be "run out" of College. These thefts are to be rigorously investigated, and the offenders will be prosecuted to the full extent of the law. In an institution like the M. A. C. where it is so hard to get money for athletic outfits, it is only the meanest kind of a sneak who would steal them.

Every student with true College spirit should take it upon himself to help ferret out the offenders and see that they are punished.

The justice of the above remarks by Prof. Denman needs no further comment. Similar complaints come from the U. of M. and several western institutions where everyone is on the lookout for the offenders.

We often hear or read about the good old times, or the condition of education long years ago, but the young must be often reminded of these things to fully comprehend the great progress of modern times. Edward Everett Hale is writing for the *Outlook* Memories of a Hundred Years.

"Massachusetts has stood as well as any state in arrangements for education. In 1800 she had two colleges, and in both there was hardly two hundred students. In the same state there are now thirteen colleges, of which the largest has 5,124 students and teachers, and the smallest, I suppose, four hundred. The average attendance of collegiate students is probably one hundred times as large as it was then.

"In more than twenty towns in Massachusetts there are more well equipped buildings for high schools, each more costly and on a larger scale than any building which Harvard College had when I graduated in 1839.

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W. J. B.

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