

Spring 5-14-1897

The Cadet May 1897

The Cadet Staff

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THE CADET.

NEW SERIES.

VOLUME XI.

MAY, 1897.

No. 8.

THE RANKING SYSTEM.

ONE of the first enquiries that is made concerning a young man after he leaves College, is in regard to his rank, and the relative position which he held in his class. From the answer to this question, the public in general forms its idea of his abilities, and predicts the success which will attend him through life, with a certainty however, which is surely questionable to one who is familiar with the ranking system as it is practiced in most of our institutions of learning.

However perfect it may be, and with what care and attention the ablest instructors can bestow upon it, it falls far short of its object, and often leads to disastrous results. Abundant proof of this is found in the records of the graduates of every college, which show that rank is no index of ability, that after a class leaves the halls of its Alma Mater, the leader no longer retains his superiority, and that quite as often some one who was considered only mediocre in his abilities proves the more successful.

That something of the kind is necessary to preserve discipline, and to determine the proper positions of students in their studies, is evident; but whether this is secured by the present daily ranking system, with-

out leading to results that are prejudicial to educational interests, is yet an open question. That it has a tendency to destroy all capacity among students to seek knowledge for its own sake, is a fact that its strongest advocates do not deny, but rather seek to conceal by setting forth the better scholarship which they claim it secures. At the expense, however, of much valuable time that might be devoted to reading and original investigations, expended in dozing over lessons already committed. Not all of a good, sound education can be obtained in the classroom, by any means; else what need for the costly libraries found in connection with all colleges.

Some of the best educated men that ever lived never saw the inside of college walls. When a young man enters college he is supposed, or ought to be, old enough to realize the full meaning of a four year's course of study and it would seem that no such puerile incentive as the one under consideration, would be necessary to call forth his most earnest exertions.

Another important fact that should be noticed in connection with this subject, is that no teacher, however well disposed, can mark fairly.

It requires a knowledge of human

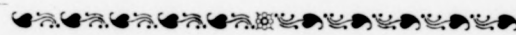
nature more extensive than that possessed by the ordinary class of men, to determine the true position of every student in a class.

The adoption of such means by institutions that have for their object the education of young men, reduces them almost to the level of ordinary high schools. The President of Cornell University, in a recent report, states, "that one of the special features of the course, is the absence of a marking system determining the

relative rank of each student in his class."

From this it will be seen that in that institution, one of the largest and best conducted of its kind, the absence of that feature which appears so prominently in the government of most colleges is regarded a special feature of the course. The results which have thus far attended this change are entirely satisfactory, and should receive the earnest attention of all interested in educational affairs.

—*College Reporter.*



OUTSIDE VIEWS.

THE prevailing idea outside the immediate vicinity of this College, that young men who come here for the purpose of acquiring an education, are simply taught the arts relating to "seed time and harvest," is proving sadly deleterious to the interest of the institution. It not only proves a great drawback to its growth in dissuading many from taking advantage of the opportunity thus presented, but seriously affects the prosperity of the Alumni who go out from its fostering shelter to seek employment in the different branches of business for which they have fitted themselves.

If one who has pursued the necessary course of study and graduated as Civil Engineer applies for a situation he is invariably asked the question: "at what place were you schooled as Engineer?" And if he answers: "at the Maine Agricultural College," he is probably obliged to look elsewhere for that with which to buy his daily bread.

But, on the other hand, if another gentleman no more prepossessing

than the first, on being asked the same question, should answer, "at the Boston School of Technology," though his head be as hollow as an empty fish barrel, he is at once employed on a liberal salary. Those too, who graduate in the Elective Course, have the same difficulties to contend with.

The same opinion, that a student from an Agricultural College can know little of anything except to till the soil, is again met and we are obliged again to take the outside track and claim our place only when we have fairly won it. Thus it is that the Engineers and Electives of the State Colleges suffer from the Agricultural department—not that we would, were it possible, have that course abolished or impaired in any way, for it is one of the best and most important branches in the College, and there are those here today pursuing it that will do honor to their calling, and some day make the barren fields of Maine grow rich with the golden harvest.

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lead them in that direction, if in their generosity, the citizens of Maine have established courses in the mechanic arts, and invited young men to pursue them, why discourage their present efforts and cripple their future prosperity by bringing the two branches so nearly into one?

Why not take measures to put us

(if we deserve it) on an equal footing with the graduates of other colleges?

Let the name of the institution be changed so as to give to the engineering and literary departments, the emphasis they merit; and the good results will more than pay for the trouble.—*College Reporter*.



HONOR AMONG STUDENTS.

HONOR among students means a great deal. We fear that the word as used in this connection has a signification not common to it in its true sense.

But what does it here signify? Now we know that this is a delicate subject to handle, (rendered so by the very thing of which we are speaking) but we will attempt to give a definition of the term in its popular sense, and if we have a wrong conception of it we beg to be corrected.

All are aware of the feeling of mutual dependence which exists among students, a feeling that all belong to a common brotherhood, and that the interests of one are identical to a certain extent with those of the others.

We know also that from this there has come to be an unwritten code of laws in our colleges, although differing greatly, to which the students feel under obligations.

Now this is not to be objected if that code will stand the test that we would make for it. We hold that there are no social or moral conditions to be met with in college life which call for any other than the most manly and upright conduct,

such as one would be willing to pursue anywhere and everywhere. Therefore if a student can follow this code and not sacrifice one iota of his manhood, let it stand.

But if it requires him to be untruthful; if it requires him to countenance mean tricks, drunkenness, rascally thefts or any improper thing without lifting a disapproving voice for fear of being unpopular; if it requires him to join in every demonstration of rebellion against the discipline of the college or even prevent its uniting his efforts with those of the faculty in maintaining the good order necessary for his best interests and those of the college, if in these or any other particulars it requires a violation of the dictates of a pure conscience, then let these false obligations go, and let each student act a manly part irrespective of popularity.

Will not the students of the State College think of this? Shall we not inaugurate a watchful care over our characters; and the character of the institution whose interests are dear to us, that we may have true honor, and that we and our college may be honored by all.

College Reporter.

THE NEW NAME FOR THE COLLEGE PAPER.

Early in the college year a proposition was brought before the Faculty and students relating to a change in the name of the college paper. A committee from the Faculty met with the student body, and it was voted:

1. That the name of the paper be changed.

2. That the change take effect at the end of the year.

3. That a committee be appointed representing the Faculty, the alumni, the students and THE CADET, to secure a new name and report the same for adoption by the college.

4. That the Faculty member be chairman of the committee.

In accordance with these resolutions the following were appointed.

For the alumni: E. H. Kelley.

For the student: C. S. Webster.

For THE CADET: H. I. Libby and W. L. Ellis.

For the Faculty: J. S. Stevens.

At a recent meeting of this committee it was decided that the change of name take effect with the Commencement number, and that the name contain the term "University" joined to some common expression. For example—"The University Clarion" or "The University Times." It was also decided to ask the readers of THE CADET to send to the editor-in-chief any suggestions they may have concerning the new name.

These suggestions will be carefully considered by the committee, and from them a name will be selected to present to the college body for approval, as provided by the resolutions mentioned above. The name agreed upon will be published in the June number and appear as the name of the college paper in the Commencement number.



OUTSIDE THE CAR WINDOWS.

BY M. E. P.

As onward swiftly speeds the train,
The landscape backward flies amain,
As stream and field and hill and plain
Are mingled like life's joy and pain.

A quiet farmhouse first is seen,
Wide-spreading trees before the door;
A dimpled babe, with face serene,
Peeping its mother's shoulder o'er.

Sweet, smiling valleys sloping down
To where, beside the river's brink,
Far from the dusty, noisy town,
The drowsy cattle come to drink.

White clouds are floating overhead;
The trees hang out their banners red,
Which, like the fatal hectic flush,
Proclaim aloud, "'Tis life's last blush!"

A busy mill, with whirling wheels,
And workmen hurrying back and forth.
A church, whose vane that points due north,
Tells of the wind from cotton fields.

A churchyard still, whose inmates sleep
So still, unbroken, and so deep,
We think of, and we sigh, alas,
As swiftly out of sight we pass.

"Oh for one hour of rest like theirs!
Rest from life's wearying toil and care,
That follow closely everywhere,
And cling to us despite our prayers."

A school house and the school just out,
A motley throng of boys and girls;
Black eyes and blue, and tossing curls
And merry laugh, and ringing shout.

We think of that old hackneyed phrase
Which charmed us in our childish days;
"Perchance some lad before us there
May fill the Presidential chair."

The spires of the city next;
And as the train glides slowly in,
By hackmen's cries our ears are vexed,
An unintelligible din.

—College Reporter.

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SCIENTIFIC OBSERVATIONS ON MOUNT KATAHDIN.

PROF. M. C. FERNALD.

A YEAR ago last August, (1875) accompanied by Mr. F. W. Hardy of Bangor, photographer, Mr. F. W. Holt, Mr. J. M. Oak and Mr. F. L. Scribner, graduates of the Maine State College, Mr. Freeland Jones and Mr. A. M. Goodale, students in the College, the writer visited Mount Katahdin with a view to determine its altitude by barometrical observations. In the limited time then at his command he found it impracticable to secure a number of observations sufficient to give a determination of the altitude which he was willing to make public. Last summer (August, 1874,) he made a second visit to the mountain with the same purpose as before, the results of which are presented in this article. Besides the writer, the party consisted of Mr. J. R. Farrington, farm superintendent of the State College, Rev. W. R. Cross, J. C. Wilson, Esq. and Lieut. W. S. Chaplain of Orono, Mr. F. W. Hardy, and Capt. R. W. Parker of Bangor, Mr. C. O. Farrington of Brewer, Mr. F. L. Scribner of Augusta, and Mr. J. C. Stacy of Sherman, guide.

Leaving Orono on the morning of the 11th of August, the party tented near the summit on the night of the 14th, and remained at the mountain until the afternoon of the 18th of August, Mr. Scribner examining attentively the flora of the region and making botanical collections, and the writer devoting himself to the barometrical work. It is but just to the other gentlemen of the party to state

that they rendered material assistance in the prosecution of the several kinds of work proposed.

Two barometers were used, one on the summit, the other at a station of known elevation about 36 miles from the mountain. The barometer (No. 1939) at the latter station was observed by B. F. Fernald, Esq., of Winn, in whose office it was suspended. The barometer at the summit of the mountain, although not originally designed for a mountain barometer, is so well provided with movable jackets of brass, by which the tube and cistern can be completely protected, as to fit it admirably for mountain use. The two instruments were carefully compared before and after the observations and were found in both instances to be working perfectly, varying only by a slight difference in the adjustment of the scales.

At the summit forty-three observations were obtained, three of which have been rejected because not matched at Winn, and thirteen, in consequence of meteorological conditions so different at the two stations, as to produce local disturbance of the mercurial column.

In the case of the observations submitted, the temperature of the instrument being considered, the movements of the column at the two stations were quite largely responsive to one another, indicating that they were controlled in the main by corresponding conditions of the atmosphere.

The meteorological notes recorded at the time, although few in number, indicated the same fact.

The mean latitude of the two stations is approximately $45^{\circ} 40'$.

Assuming the observations to have the same degree of precision, the arithmetical mean of the altitude is 5215.5 feet, and the probable error 4.2 feet; and hence the altitude of Katahdin deduced from these observations, would be written 5215.5 plus or minus 4.2 feet above mean tide at Bangor. In furnishing for

publication this record of barometrical work, the writer is not unmindful of the fact that a much larger number of observations is desirable, in order to secure the highest degree of accuracy attainable by the barometric method; he does not however hesitate to make even a brief contribution to the subject, since he is not aware that a determination of the altitude of Katahdin has before been made, based upon observations comparable in number with those it was his fortune to obtain.

—*College Reporter.*

That long contemplated sidewalk has at length been commenced by the College authorities, and will be extended as far as the residence of Supt. Farrington this fall; its completion, however, rests entirely with the citizens of Orono, as the condition of the College finances will hardly admit of the expense necessary to extend it to the village. Students, as well as others who have had occasion to visit the College during particular seasons of the year, when the soil is rendered excessively humid by diminutive floods, will recognize the benefits to be derived from this by pedestrians.

In view of this fact it may be well to state, that in all probability the walk would have been constructed by the town's people, before this, had

the course of the students in regard to public and private property been strictly what it should have been.

Thus far, the citizens of Orono have manifested a warm interest in the College, and have taken no small part in the exertions which have raised it to its present position; and it is hardly just to repay this by foolish acts of boyish mischief that can only serve to annoy. The owners of property along the street can not surely be expected to bear the expense of a walk, erected almost solely for the use of those who have no respect for the rights of others. Let us work for our own interests in the future, and see that nothing is done that will reflect discredit upon the institution or upon ourselves.

—*College Reporter.*



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EDITORIALS.

THE CADET.

EDITORIAL STAFF.

EDITOR-IN-CHIEF.

GEO. A. WHITTEMORE, '98.

LITERARY.

MISS RENA DUNN, '98. R. L. FERNALD, '99.

ALUMNI.

H. L. WHITE, '98. F. H. H. BOGART, 1900.

CAMPUS.

D. T. MERRILL, '98. CHAS. C. WHITTIER.

ATHLETICS.

CHAS. A. PEARCE.

EXCHANGES.

MISS LOTTIE FARRAR, '98.

BUSINESS STAFF.

H. I. LIBBY, '98, Manager.
W. B. MORELL, '99, Asst. Manager.

WITH this issue of THE CADET the administration changes and a new board takes the affairs in charge. An unavoidable delay in getting out this issue makes it a little hard for us to get started, but once at it we want to keep up the standard which has been raised and even raise it higher if we can. We will let our works be the standard from which to judge. The work of the retiring board speaks for itself. The work they have done to bring it out of its financial embarrassment has made the way far easier for us. We appreciate their work and extend to them our hearty good wishes and wish them success in whatever work they may undertake in the future. As we, the new board, put forth our efforts to please the readers of THE CADET, we trust you will not be too harsh with us and criticise us too severely. If you derive any pleasure, and at the most any profit out of its pages, we shall feel that our labors have not been in vain.

WE would call your attention especially to the article on "The New Name for the College Paper." It should have the careful consideration of all, whether alumnus or student. As we pass from a State College to a State University, these steps are and ought to be instrumental in building up the college life. Since the appointment of the committee, (which has held several meetings), no name has been presented to the college body for action, consequently it cannot be given in this issue. There has been much opposition to a change of name of any kind, but by vote of the student body it was to be changed at the end of THE CADET year. That time has passed. We have heard much opposition to using the word "University" in the name. That too must be decided by the students. If anybody has anything to say either for or against, now is the time to say it and not wait until the name has been changed and then hate yourself for not saying anything before. If you have any suggestions let us hear them. We should be glad to hear from any of the alumni on this question.

* * *

Now the name of the college has been changed, other changes are coming in thick and fast. What do you think of a change in uniforms of the Coburn Corps of Cadets? Members of the faculty are in favor of such a change. In place of the loose, not over-artistic looking blouse, they want to see one better fitting, made up with a fly front and standing collar. It is not to be disputed but

what it would make a neater appearance in every way. Another change is suggested in the use of cadet chevrons in the place of the regulation military chevrons and shoulder straps. We believe that the voice of the students should be considered in making such changes. It directly affects them in more ways than one. They have to wear the uniforms and they also have to pay for them. Additional expense might meet with opposition on the one hand, while on the other a lessening of expense would be met in the same way.

* *

In this issue you will find a number of articles taken from the *College Reporter*, dated Orono, Nov. 14, 1874. We are indebted to Mr. H. W. Brown, class of '81, now connected with the Literary Institute at New Hampton, New Hampshire, for the same. It consists of a four page paper of about 10x14 size, edited by students of the Maine State College at that time. It is Vol. I, No. II, and represents the beginning of that class of literary

work in the college. Coming as it does when we are making the change from "college" to "university," it brings into marked contrast the work of the college then and now. The article on "Outside Views" is especially timely as we have what was asked for at that time—a change in name. We see that twenty years ago it was apparent that a change of name would be beneficial. We have often been told that Prof. M. C. Fernald determined the altitude of Mount Katahdin by means of a barometer still in the possession of the college. Never before now had we heard or seen an account of the work. It ought to be of interest to many, especially to those who have seen the instrument and know the work it can perform. All the articles from this relic of the early college life are interesting reading. We are grateful for such contributions and would be much pleased to receive other issues of the *Reporter*, and if possible get a complete file and place it in the college library.



LOCAL NOTES.

Master, Master! News, old news, and such news as you never heard of."

—The Taming of the Shrew,—Act III, Sc. 2.

"Get a Prism."

The diamond is busy.

"Three Fancy Drills."

Who drove the "muckers."

Did you go to the Military Ball?

The tennis courts are in good shape.

Where was the dumb bell squad?

Collins, '00, and Nason, '00, are at work on the Penobscot Central electric railroad.

L. J. Shepard has a new Hartford wheel.

"Please do not talk with the girls in the halls."

Has every one a base ball ticket? If not, get one.

Miss Davis, '00, is teaching at North Islesboro.

Have you seen the new Freshman sweater, it is "green."

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Did you grasp the Governor by the hand.

A. Love, '00, has gone to stone cutting in Hallowell.

Brett, '99, has been out a few days on an electric railroad survey.

A horse moved away from the ground during the ball game; no one was hurt.

Dr. Harris led the chapel exercises at Colby University on the morning of April 30th.

While in Waterville, Dr. Harris was in attendance at the Schoolmasters' Club.

Miss Dunn, '98, and Miss Burnham, '00, have left college to teach school in Argyle, Me.

Merrill, D. T., '98, is at his home in Auburn. He expects to return before the cadets go into camp.

H. L. Mattocks, '99, left the first of May for his home in Madison, where he will remain a few weeks.

At a recent meeting in Belfast, Dr. Harris gave an address on "Washington and its Environs."

The singing by the Glee Club at the Military Ball was of a high character, it was the right thing in the right place.

Dr. Harris and Prof. Hamlin went to Bangor recently to attend the twenty-fifth anniversary of the Bangor Board of Trade.

A Conversation Club has been formed among members of the Faculty, with Dr. Fernald as president. The membership is limited to seventeen.

There has been presented to the college by the Governor, a crayon

portrait of himself. The work is by a Portland artist and is a most just representation of the Executive.

Under the direction of Prof. Munson, a number of changes are being made on the grounds of the campus, especially at the south entrance near the electric car station.

Prof. A. E. Rogers was in attendance at the Piscataquis County Teachers' Convention held at Sangerville, where he gave an address on "Civics in Our Public Schools."

Charles H. Farnham, '97, has been absent for a week, being engaged on the preliminary survey of the Penobscot Central electric railroad. The road when completed will run from Bangor to Charleston.

On May 5, the Engineering Society and the Engineering Section of the Scientific Society met for a discussion on the following papers: "Theory and Application of Alternating Currents," Chas. E. Watts; "Flying Machines," Prof. Flint; "Modern Arms and Armor," Lieut. Royden.

The Biological Section met the 10th for a discussion on the following topics: "The Germination of Mutilated Seeds," Mr. Hammond; "The Winter Protection of Buds," Mr. Ricker; "Growing Plants Under Glass," Mr. Shepard; "General Notes," Prof. Harvey.

At the last regular meeting of Mathematic and Physical Section, on April 30, the following was the order of discussion: "Grant's Equation Machine and its relation to the theory of equations," C. H. Farnham; "The rectilinear propagation of light and the measurements of wave length," R. M. Andrews.

At the last annual meeting of the New York Alumni Association held at the Arena, New York City, Dr. Harris and Prof. Jordan of the New York experiment station were among the many distinguished men present. The president for the coming year is A. E. Mitchell of Pennsylvania.

Almost the whole Faculty met April 28 at Prof. Woods and informally organized an Outing Club. The object of this club is to plan trips and excursions for Saturdays and holidays in which members of the Faculty can take part if they wish. The following committee was appointed as committee of arrangements: Prof. Woods, Prof. Grover, Prof. Merrill, Mrs. Hamlin, Miss Alice Pottle.

Lieut. H. N. Royden, 23d Infantry, U. S. A., Professor of Tactics and Military Science, has been detailed by the Secretary of War as inspector and instructor at the next encampment of the National Guard, State of Maine, which will be held at Augusta the second week of next August; also assistant to Lieut. Morton, 6th Infantry, who is detailed with the Guard, with headquarters at Portland, Me.

The Annual Farmers' Field Day at the State College, Orono, comes this year June 9. From the growing interest in the college in all parts of the State, it is expected that this year's Field Day will be even more successful than those in the past. Arrangements are being made for reduced rates over all railroads. Full circulars of information will be ready about May 15, and will be sent to any one addressing Prof. Chas. D. Woods, Orono, Maine.

The trustees of the Maine State College met April 28th at the office

of the President for the purpose of considering various matters of business concerning the college interests. There were present at this meeting: Hon. Henry Lord of Bangor, president of the board; Hon. William T. Haines, of Waterville, Hon. B. F. Briggs of Auburn, Hon. Elliott Wood of Winthrop, and Col. C. P. Allen of Presque Isle. It was voted to place the tuition at \$30 a year, to take effect at the beginning of the next college year in compliance with the act passed by the last legislature. The matter of the change of name to the University of Maine, to take effect June 1, was discussed. It was also arranged by the trustees, so that beginning with next year, students can obtain loans of the college to cover tuition, the number of loans not to exceed one-third the total number of students.

The drill and ball given by the Coburn Cadets of the Maine State College at the Town Hall, Orono, Wednesday night, was, upon the whole, a very successful event. High officials of the state lent dignity to the occasion by their presence. His Excellency, Gov. Powers, Adj. Gen. J. T. Richards, Col. I. K. Stetson and Maj. Spaulding were in attendance, the latter gentleman in dress uniform.

The decorations of the hall were more elaborate and effective than has been noticed there for some time past and showed off to good advantage against the white walls and ceiling. Huge flags augmented by the pennants won by the ball teams in past seasons were draped at the back of the stage and in the center was a fine crayon likeness of Gov. Powers, which will in the future adorn the library of the college. Flags of all nations were draped about the galleries, while streamers of

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Gov. Powers was accompanied by Mrs. Powers, who was handsomely gowned in a white figured satin dress and whose charming manners made her many admirers among those present. The invited guests and members of the faculty and ladies occupied seats on the stage during the drilling. After a selection by Pullen's orchestra, the the first drill squad of eight members of the freshman class, in command of First Sergeant H. I. Libby, marched on the floor and to the music of a piano went through the movements of a wand drill with the regulation rifles. The drill was an attractive one but showed the need of a little more practice with the musical accompaniment. Later Capt. Bunker of Co. A put a squad through the manual, bayonet exercise and silent drill with the usual marching movements, in a most excellent manner. The squad showed the result of careful training and their work was very creditable. During the waits the college glee club entertained the audience with vocal selections.

After the drills a short reception was held, the guests being presented to Gov. Powers, Mrs. Powers, Mrs. Harris and Mrs. Royden by Lieut. Royden. The grand march which began at 9.30 was led by Gov. Powers and Mrs. Harris, President Harris and Mrs. Powers, Gen. Richards and Mrs. Royden, Col. Stetson and Mrs. Colby, Maj. Spaulding and Mrs. Gould and the members of the faculty and ladies. An order of 14 numbers with extras was danced for which Pullen furnished delightful music. At intermission a supper was served by Fox & Co., of this city.

The arrangements of the affair have been directly under the eye of Lieut. Royden, the enterprising young officer detailed as instructor at the college. He was looking after everything with a care-

ful supervision and the manner in which the details were attended to showed the result of good management. He was assisted from the cadets by Maj. W. T. Brastow, Capt. S. S. Bunker, Lieut. S. J. Heath, Quartermaster Sergeant C. S. Webster, Sergt. H. P. Merrill, Sergt. H. I. Libby, Corp. F. W. Armes, Corp. R. H. Carleton and Corp. C. W. Crockett.

The floor was in charge of Lieut. S. J. Heath, assisted by Capt. Bunker, Sergeant Major S. C. Dillingham, Corp. R. H. Carleton, Corp. E. E. Palmer, Private A. J. Patten and Private H. D. Seavey.

Among those present from this city were Senator and Mrs. Engel. Mr. Engel, who did some very effective work for the college at the last legislature, is manifesting considerable interest in the institution—*Bangor Commercial*.

After the usual chapel exercises, May 6, Dr. Harris introduced the Hon. Llewellyn Powers, Governor and Commander-in-Chief of Maine. The Governor spoke in part as follows: "I suppose I should not say the students of the Maine State College, but the students of the University of Maine. One of the official acts of my office that I look to with pleasure is the signing of the bill making this the University of Maine, because it gives to you and to the alumni so much pleasure and gratification. It is with no small pleasure that I meet you here this morning. The courses you are pursuing are good, yet you cannot master everything here. Genius is not of the highest importance; it alone will not bring to you successes. You are amply able to do justice to this good curriculum which is open for you. I believe the education obtained in this State, that which fits men to battle

with the waves of life's successes, is as good as that of any State. This institution is one where the man of limited means can get a good, practical education, as good as that offered at any institution. I know when I was a student in college, and I suppose it is not much different now, many of us had to pay our own way; some of you doubtless are in the same boat, but remember that it is here that you are laying the foundation stone of your future prosperity. Permit me to congratulate you upon the success of last evening (referring to the military drill and ball). When you shall go from these good courses and instructions I believe you will meet that success you so justly deserve."

The last general meeting of the Maine State College Scientific Association, for the College year, was held Wednesday, May 12, 1897, at 7.30 P. M. Programme as follows:—Secretary's annual report; election of officers. Symposium—Graduate work at various universities. 1. Some statements concerning graduate work in general, J. N. Hart. 2. Graduate work at Cornell. *a.* In Biology, W. M. Munson; *b.* In Engineering, B. S. Lanphear. 3. At Harvard, H. W. Thayer. 4. At Chicago, J. S. Stevens. 5. At the Institute of Technology, N. C. Grover. 6. At Johns Hopkins, W. S. Elden. 7. In German Universities, E. B. Nichols.

MAINE AGRICULTURAL EXPERIMENT STATION.

GIANT KNOTWEED OR SACHALINE.

Polygonum Sachalinense.

This is a hardy herbaceous perennial, six to twelve feet high, with strong, extensively creeping rootstocks. The

plant is a native of an island off the Siberian Coast where it grows along moist river banks. It was introduced into England about 1870 and has been quite generally cultivated in the botanical gardens of Europe. At a time of great drought in France in 1893, it was discovered that cattle would eat the leaves and tender branches of this plant and a member of the French Academy presented a paper suggesting that it might prove a valuable addition to the list of fodder plants. This seems to be the first intimation that sachaline had any forage value, but the idea was at once taken up by others and the hardiness, the rapid and vigorous growth and other qualities of the plant were extolled and enlarged upon by interested parties. Within the past year or so most extravagant accounts of the value of sachaline for forage have appeared in American papers and seed catalogues.

All who have had experience with the plant advise caution in its introduction because of its very strong, spreading and persistent rootstocks. A writer in the Rural New-Yorker who has had some experience with the plant says: "If the land will grow anything else, do not plant it. Plant corn for feed, not *Polygonum Sachalinense* unless you want trouble. A writer in Burpee's Farm Annual says that the farmers in this country will be terribly disappointed if they expect to realize the hopes that the glowing descriptions from Europe would seem to warrant.

This plant is described in Circular No. 5 of the Division of Botany of the United States Department of Agriculture. It is advertised in some of the 1897 seed catalogues. The advice of the Experiment Station to intending purchasers is, don't.

CHAS. D. WOODS, Director.



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YE ALUMNI.

'73.

BRUNSWICK, ME., May 8. (Special.) Maine men are always at a premium in this country, and the election of Mr. R. W. Eaton of this place as president of the New England Cotton Manufacturers' Association at their recent meeting in Boston, brings this statement home with fresh emphasis. Mr. Eaton has been a resident of Brunswick but seven years, but he came well recommended and has grown to be highly esteemed by the townspeople. Mr. Eaton is a Maine boy by birth, having been born and brought up in the town of Readfield. He fitted for college at the then-well-known Eaton School in Norridgewock and was graduated from the Maine State College, in the civil engineering course, in 1873. Soon after his graduation he went to Providence, R. I., where he entered a mill engineer's office. Wishing to obtain a full knowledge of practical milling, he entered one of the mills of P. B. & R. Knight in Providence, working through every room and obtaining that knowledge which can only be gained by experience. He then put in a few years more in the engineering office of E. L. Thompson & Co., Providence. He left there to be assistant in the Penemat Mills at Taftville, just out of Norwich, Conn. His next call came from Canada, where he was made manager of the Merchants Manufacturing Company of Montreal. This company is one of the best cotton mills and bleacheries in the provinces. From

Montreal, 1890, Mr. Eaton came to Brunswick as agent of the Cabot Manufacturing Company. Under his management, these mills have been almost entirely reorganized and the output increased 50 per cent. The Cabot Mills employ from 700 to 800 hands and operate about 70,000 spindles. The New England Cotton Manufacturers' Association is a society of mill agents and superintendents having for its object the encouragement of scientific investigation and experiments of the methods of manufacturing cotton and the collecting and imparting of the same. For many years the association had but 250 members, but within the last four years it has been on the boom and now numbers some 500 members and is in a flourishing condition. Mr. Eaton is also a member of the Society of Mechanical Engineers, one of the strongest organizations of its kind in the world. Mr. Eaton was married in 1882 to a Maine girl and their home on Federal street is one of the social centers of the town. They have two children. Mr. Eaton is a young man, being but 42 years of age, and his election to the highest office in the gift of the New England Cotton Manufacturers' Association is all the more a tribute to his knowledge of the cotton manufacturing business.—*Lewiston Journal*.

'75.

At the recent meeting of the New York Alumni Association, Albert E. Mitchell was elected president. Mr.

Mitchell is mechanical engineer on the Erie, R. R., Susquehanna, Pa.

The many friends of Prof. W. H. Jordan, Director of the Experiment Station at Geneva, N. Y., will be pleased to hear of his success with the legislature of that state. \$109,000 has been appropriated for the Geneva Station, \$41,000 of which is for a new dairy and biological building.

'77.

Alvah D. Blackington, chief engineer of the E. & W. R. R. of Dunmore, Pa., was present at the banquet of the N. Y. Alumni Association.

Ex-'77.

Judge Eugene T. Danforth was in Bangor recently on legal business.

'82.

W. R. Howard, who is a member of the executive committee of the Athletic Association has been on the campus considerable of late. If the college achieves the hoped-for success in athletics this year, much of the praise is due Mr. Howard for his untiring efforts in awakening an interest in college sports among us.

'86.

Ralph K. Jones is agent for the Detroit Graphite Mfg. Co., with headquarters at 88 Ames Building, Boston, Mass.

'87.

Mr. and Mrs. Charles H. Stevens of Fort Fairfield are receiving congratulations over the recent advent of a son and heir, a future "University of Maine" man possibly. THE CADET also extends congratulations.

John H. Burleigh has recently located

in Waterville, Me., and has opened an office as civil engineer.

'88.

John W. Hatch has recently been re-appointed pastor at the M. E. church at Kingman, Me.

Dr. Harry Butler has been appointed City Physician of Bangor for the coming year.

F. S. Brick, superintendent of schools at Belfast, spent Saturday and Sunday on the campus.

Ex-'89.

E. E. Greenwood is employed this spring on the Crockerton, (Me.) R. R.

'90.

The class of '90 was well represented at the military ball given in Town Hall, Orono, May 5th. Those present were, Messrs. C. A. Dillingham, W. B. Pierce, Hugo Clark, N. C. Grover, E. H. Kelley.

Frederick G. Quincy has entered the employ of Dr. T. U. Coe, Bangor.

Dr. F. W. Sawyer of Everett, Mass., was called home recently by the sickness and death of a brother in Milford.

W. B. Pierce, at the spring elections, was elected as alderman from Ward 7, Bangor.

'93.

Harry M. Smith has entered the employ of Hinckley & Egery, Bangor, as draughtsman, and also has charge of the fitting room.

'96.

H. L. Niles is engaged on a preliminary survey for the N. E. R. R. His present address is Gales Ferry, Conn.

B. D. Whitcomb is at present in the employ of the New England Telephone & Telegraph Co. at Boston.



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ATHLETICS



Those men who volunteered to help the managers build the cinder path and roll the diamond were not a legion; but they are the class of students who help send a college to the front in athletics.

We deeply appreciate the earnest efforts being put forth by the alumni in behalf of our athletics. Nothing is more pleasing to an alumnus than to see the teams of his *alma mater* victorious. So let's try and show our gratitude by making our teams winners.

The men on the different teams will be given every possible advantage while in camp. They should make it a point of honor to train as faithfully there as they would on the campus. Every man who gets out and works for a college team is doing more for his institution than any of those who sit on the grand-stand and watch his efforts. Perhaps the candidate may not be entirely successful, but a student who will stand and guy him when he makes blunders, deserves the contempt of his fellows. It is a good thing to have a crowd out watching the practice, but to applaud and encourage the boys, not to criticise and discourage them. We have not been altogether innocent of this in the past, let's see that we do the right thing in the future.

The men have not turned out for track and field athletics as they should. We ought to have one hundred men trying, now that outdoor work is practicable. Our material is nearly all undeveloped, yet if each man who is asked to work would get out and make a *good honest* try, we wouldn't be taking a back seat to Bowdoin in this line.

Mr. Howard recently cited to us an example of what a fitting school did without any more apparatus than we have here. But they *worked*; every man took a lively interest and did what he was able. If every student here will take hold as those fitting school boys did, it won't be many seasons before we'll be running down to Massachusetts and capturing prizes. Every one of us wants to see the University of Maine stand at the head in athletics. We want to be deserving of the name; if we're not, our rivals won't be slow in telling us about it. We cannot do better than to follow Mr. Howard's advice and every man be ready to make some sacrifice, no matter how small, for the good of the college.

U. M., 3; AUGUSTA, 2.

The first game of the season was played at Augusta on Fast Day. The diamond was very slow and the game correspondingly uninteresting. Both Crockett and Cushman were used in the box and did equally good work.

U. M., 19; M. C. I., 0.

The first game on the campus between Maine Central Institute and the 'Varsity was too easy to be interesting. Drew, '99, was given a chance in the box the latter part of the game and showed up finely.

U. M., 5; C. C. I., 1.

Every one was looking for a hot game with Coburn Classical Institute and nobody was disappointed, the game being full of interest from beginning to end, with 'muckers' and runaways for variation. C. C. I. has a star team. They

defeated Colby 17 to 11, consequently the outcome of this game was anxiously awaited. Cushman was wild in the first inning forcing home a run; then he steadied down and pitched a star game. Crockett pitched the last three innings and fully sustained his high reputation. Dolley did star work both in the field and at the bat. Small and Brann both played very pretty ball. For the visitors, Rawson and Newenham did the best work. The score:

	A.B.	R.	L.B.	P.	O.	A.	E.
Pretto, ss.....	4	0	0	3	1	1	
Crockett, p. and r. f.....	5	0	1	0	0	0	
Palmer, c.....	5	2	1	14	0	0	
Small, l.....	5	2	3	5	0	0	
Cushman, p. and r. f.....	4	0	2	0	3	0	
Dolley, 2.....	2	1	1	4	4	0	
Brann, c. f.....	4	0	1	0	0	0	
Blaisdell, 3.....	3	0	1	1	0	1	
Sprague, l. f.....	4	0	0	0	0	0	
	36	5	10	27	8	2	

C. C. I.

	A.B.	R.	L.B.	P.	O.	A.	E.
Rawson, ss.....	2	1	0	4	2	1	
Webb, 3.....	4	0	1	2	2	2	
Newenham, p.....	3	0	0	0	8	0	
Rowell, l.....	3	0	0	13	1	1	
Sproul, c.....	4	0	0	2	2	0	
Allen, r. f.....	3	0	0	3	0	0	
Levine, l. f.....	4	0	0	2	0	0	
Tozier, c. f.....	3	0	0	0	0	0	
Sibley, 2.....	3	0	0	1	2	0	
	29	1	1	27	17	4	

SCORE BY INNINGS.

U. M.....	1	1	0	0	0	1	2	0	0-5
C. C. I.....	1	0	0	0	0	0	0	0	0-1
Earned runs—U. M. 3. Bases on balls—By Cushman 5; by Crockett 1; by Newenham 4. Struck out—by Cushman 9; by Crockett 3; by Newenham 2. Hit by pitched ball—Allen. Wild pitch—Newenham 2. Passed balls—Palmer 4; Sproul. Stolen bases—U. M. 12; C. C. I. 5. Double plays—Sibley, Rawson and Rowell; Rawson unassisted. Umpire—Bass.									

BOWDOIN, 3; U. M., 1.

The first college league game was played on the campus May 5th. The day was a perfect one for both players and spectators. A large crowd was present and after all expenses were paid there was a good round sum left over

for the U. M. A. A. Two weeks before we hardly dared hope to make a good showing against Bowdoin, yet had a little more care been taken in baserunning we certainly would have won the game. But the boys learned what their weak points were and will undoubtedly improve. The result was in doubt till the very last man was out and one of the hottest games of the Maine College was ended. Sprague, Crockett, Dolley and Small did the best work for the home team. Bodge pitched an elegant game for Bowdoin, Hull covered second in pretty style. The score:

BOWDOIN.

	A.B.	R.	H.	B.	P.O.	A.	E.
Haines, c.....	4	1	0	10	4	0	
Bodge, p.....	4	0	1	0	4	0	
Greenlaw, r.....	4	0	1	0	0	0	
Wignott, l.....	4	1	1	1	0	0	
Bacon, s.....	4	0	0	0	2	1	
Stanwood, m.....	3	0	1	0	0	0	
Hull, 2.....	3	1	2	5	1	0	
Clark, 3.....	3	0	0	5	0	1	
Libby, l.....	3	0	0	5	0	0	
	32	3	6	*26	11	2	

*Crockett out, hit by batted ball.

U. M.

	A.B.	R.	H.	B.	P.O.	A.	E.
Pretto, s.....	2	0	0	1	2	1	
Crockett, p.....	4	0	1	0	1	0	
Palmer, c.....	4	0	0	4	2	0	
Small, l.....	4	0	2	8	0	0	
Welch, 3.....	2	0	1	1	0	3	
Robinson, 3.....	1	0	0	1	0	0	
Cushman, r.....	3	0	0	3	0	2	
Dolley, 2.....	2	0	1	2	3	1	
Brann, m.....	3	0	0	3	0	0	
Sprague, l.....	3	1	0	1	0	0	
	28	1	5	24	8	7	

SCORE BY INNINGS.

Bowdoin.....	0	0	0	0	2	1	0	0	x-3
U. M.....	0	0	0	0	0	0	1	0	0-1

Earned runs—Bowdoin. Three base hits—Wignott. Two base hits Small. Sacrifice hit—Brann. Base on balls—By Bodge, Pretto, 2; Dolley 2. Struck out—By Bodge, Crockett, Small, Welch, Brann, Jacques 2, Cushman, 2, Robinson; by Crockett, Haines, Greenlaw, Wignott, Libby 2. Hit by pitched ball—Haines, Palmer. Stolen bases—Wignott, Hull, Welch, Sprague. Umpire—Nason. Time—2.01.

THE ALL-ROUND MAN.

In the fall he played at foot-ball,
And he played the season through;
In the winter he played the banjo,
And sang in the glee club too;
In the spring he swung a racquet,
And base ball, too, played he;
And in one year he graduated.
With the degree of G. B.—*Ex.*

COLLEGE VERSE.

"My kingdom for a horse!"
Cried a general to his forces,
And fifty loyal college boys
Offered him fifty horses.—*Ex.*

A green little boy in a green little way,
A green little apple devoured one day;
And the green little grasses now tenderly
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O'er the green little apple boy's green little
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