

Summer 7-15-1889

# The Cadet July 1889

The Cadet Staff

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# THE CADET.

VOL. IV.

ORONO, MAINE, JULY, 1889.

No. 5.

## The Cadet.

ISSUED ON THE FIRST FRIDAY OF EACH MONTH  
DURING THE COLLEGIATE YEAR, BY THE  
MAINE STATE COLLEGE PUBLISHING ASSOCIATION.

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### TERMS:

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Subscribers not receiving THE CADET regularly, or those changing their address, should notify the Managing Editor at once.

Contributions from the alumni and friends of the College will be gratefully received, when accompanied by the writer's name. No anonymous articles will be accepted.

Advertising rates may be obtained on application to C. C. Harvey, the Managing Editor, Orono, Me., to whom all business correspondence and remittances should be sent. All other communications should be sent to the Editor-in-Chief.

ENTERED AT THE POST OFFICE AT ORONO, MAINE, AS SECOND-CLASS MAIL MATTER.

Up to August 6th the P. O. address of the Managing Editor will be Fort Fairfield, Me., and business communications should be directed to that place,



WITH this issue of THE CADET, a new board of editors salutes its readers and acknowledge as true cadets their readiness to serve in this capacity to the best of their ability. We enter upon our duties with great courage and hopes of making a march forward in the publication of this paper. What shall be our success in this direction we leave for the next year to disclose. The past is behind us and we can have reference to the many lessons that have been learned in the work of carrying on a college publication. THE CADET has been a success and improvements have been made from its start and now in the future before us we see our duty to carry on this work in the same direction as heretofore and place our publication among the best of college papers, and not only this but to subserve the highest interests of our college, of its alumni, of its undergraduates, and the many friends who may take an interest in our welfare. This shall be our aim, and if when we complete our work we look back and find that this aim has in part, at least, been accomplished, then satisfaction will come to our minds with the thought that we have not labored in vain. We desire your best wishes for our success.

**A**LUMNI and friends of the college, it was with pleasure that we welcomed you to the exercises of commencement. We hope you enjoyed them and felt well enough repaid to make your plans to come again next year.

**G**ENTLEMEN (and ladies) of our alumni and students of this institution, we want your help in the publication of THE CADET. We must have it if you desire to have THE CADET what it should be. Many of you have responded promptly and liberally to calls for articles for publication in the past; for this we thank you and rest our assurance on the idea that you will respond again. There are, however, a large number whom we have not enlisted but whom we wish to number among our supporters in this matter. To you then we say, when you are called on for some production for publication, do not unless absolutely impossible refuse to grant our request and though the reward may be slight, rest assured that you will receive the thanks of the editors and may the satisfaction of having in this slight way helped the interests of your *Alma Mater*, be a recompence to you for your labors.

**A**NOTHER class has gone from this institution and we are called upon to say goodbye to '89, whom we shall meet no more as a class in the Maine State College. For three years many of us have been in close connection with you in your college duties, but now we are called upon to part, many of us perhaps never to meet again. Yet such partings are not uncommon and we must accept them as matter of fact beings of the present day should. We can say upon parting that our associations with you have been most pleasant and it is not without some feeling that we grasp your hand for a last farewell. You have left behind you a pleasant recollection which will not readily fade in the sunshine of pleasant memories. And now as you go forth into the world to win high laurels, that your education should have fitted you to obtain, remember that our best wishes go with you and that success may attend your efforts is the wish of all. Never forget the institution of which you are a graduate; always keep her

interests close at heart and be ready to serve her in any way, remembering that her welfare and success depends to a large degree upon those who have gone forth from her halls. To those members with whom we have been closely associated in the publication of THE CADET, our parting with you is more deeply felt. Let us here express our appreciation of the labors that you have performed in the work. It is surely with regret that we take up the task that you have laid down, for our work, we are afraid, may seem trifling compared with what you have done. May you succeed in life as you have in this work, and to you and your classmates of '89 we say with your Odist, "fare-ye-well."

**T**HE eighteenth annual Commencement is a thing of the past; another class has graduated and gone forth into the world's struggles, the alumni add one more notch to the stich that records the years of absence from their *Alma Mater*, and the undergraduates having made their debut in the different exercises of commencement, have left to enjoy their vacations and gather new strength to persue their course in the few fleeting years that remain before them. And now, dear college, before we leave you for a while let us look back upon your comparatively short life and ask ourselves a few questions concerning this period of your history. First, has this college fulfilled the purpose for which it was founded? Has it given to its students a course fitting them for the active engagement in the world's business? We answer by refering to the list of men who have gone forth from this institution, and whom you will find in the many walks of life, intelligently performing their duties where ever you may find them, being a credit to the country and an honor to their college. We hear the question, why have you not turned out more farmers? If it is to be an Agricultural college, how do you account for this? We answer, this is a school for mechanic arts as well as agricultural. Then the young man of Maine sees not a very brilliant prospect before him in striving to till the some-what barren soil of our native State, and he chooses seemingly a more lucrative pro-

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fession than that of the sturdy husbandry of the soil. Yes the college is a success and may it go on in the future in an even more sturdy object in view striving to so educate the young men of this State that they may be fitted to fill responsible positions: positions of trust and honor and where energy and intellect are required for the best performance of the duties of life. We congratulate the State on supporting such an institution.

THE Base Ball season which has just closed has placed the Maine States in the second position in the race for the Intercollegiate Championship, while the team which remained at the lower round of the ladder in last season's contest has surprised the State by winning the coveted bunting. To you, members of the Bates team we offer our congratulations, and we resign this position to you with a cheerful spirit, that can appreciate a just claim by a brilliant record, to the honors of the victors. To our own nine we but voice the sentiment of all of our students in extending to you our congratulations, and thank you for having so stubbornly defended our last year's record, and in bringing yourselves into the second position in the league. That success could not attend you in your attempt for first position, we as well as you can but feel sorry that so it was to be, yet to bow the knee to the inevitable is but the common lot of man, and we accept such fate with the best of grace, feeling that this season's work is not without its results, even if we have failed to obtain the championship. This season has been a peculiar one in many ways; before its opening, many were the predictions upon the results of the season's work. Each of the other colleges with too pretentious assumptions gathered the pennant to their halls and pictured, with their highly imaginative visions, the beautiful bunting floating on the breeze from *their* flagstaff. How bitterly has stern reality changed this picture for all but one, and the predictions of the most wise have proved but hollow assumptions of what the results would be. With us the *Lewiston Journal* expresses it when it says: "From Orono not one word came down about the championship, but the

men there were at work just as hard, ready to jump on the first team which should face them and wrest from them a well earned victory." *That* victory was a surprise and filled our boys with new courage to battle for victory in all other games. Yet what shall we say, fate was against us? Fortune was surely not with us and the result was not just what we could have wished, yet if the championship was not gained you have reaped many benefits from your intercourse with the other colleges, while you have shown them and the people of the State that besides your ability to play ball you could conduct yourself in a gentlemanly manner, in a manner that should always be manifested by a college student under all circumstances. We are sorry to notice in some of the games some of the students of one of the colleges, so forgot themselves as to disregard this quality to quite an extent. We believe that they have recognized that to be a poor way of winning base ball games, and we can but say that the team that resorts to those ways deserves to stand at the foot. We believe now that our prospects for next season are excellent, and it will only need good management and hard work to accomplish at least, as much as we have gained this year. Again receive our thanks for the good work you have done this season.

FROM the dread Johnstown disaster of last month we cannot refrain from suggesting a word of caution and advice as the result of the lesson which that terrible catastrophe has given to the world. It is upon the old theme of "laying a sure foundation" and building upon this a structure whose strength and safety cannot be questioned. We issue this advice for it comes directly home to us in all professions. It is applicable in particular to those who have graduated from this institution and to those who follow after, who have persued or are persuing either of the Engineering courses. Here is the great loss of life almost solely attributable to the faulty construction and bad engineering of some one who was either ignorant of his duties or through neglect of some part constructed this structure which breaking down causes the death



of twelve thousand people and the loss of millions of dollars of property. Boys take this lesson to yourselves, many of you may be placed in circumstances when upon the solidity and safety of your structure may depend the lives of hundreds of human beings; see that through no neglect or ignorance of yours this structure is faulty. You Civil Engineers who may have under your supervision the construction of some bridge or other structures requiring your skill, see that the foundation is laid properly and then build upon that a structure to stand through years to come; see that each detail of the work is properly performed and that care and judgment are not lacking in any part. You Mechanical Engineers can apply the same to your profession; build from the basement to the weather vane on the spire, a structure showing no weakness in any part but through careful and learned labors build a structure that shall present a mountain of strength and safety in each part. Be sure that the world cannot say that thousands have gone to their death through the faulty and ignorant labors of *your* hand.

### COMMUNICATION.

FINDLAY, O., June 14th, 1889.

TO THE EDITORS OF THE CADET:—

Four years ago a plan was suggested of placing the direct control of the college boarding-house in the hands of the students. The proposition met with favor from the college authorities and a majority of the students, but owing to reasons which it would be unwise to detail here the scheme failed to materialize.

That two dollars and sixty cents per week is a moderate price to pay for board is true, but it is not so low but that the bill of fare should be wholesome and palatable to a large majority of the students. There are of course some who would criticize the menu if Delmonico were to cater for them and they were paid to board with him.

I believe now, as four years ago, that the only right and satisfactory way for the boarding-house to be controlled is by those students who board there. In this connection a short statement of the manner in which Memorial Hall,

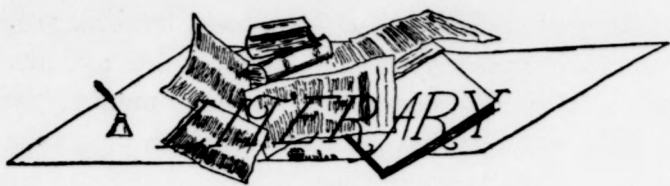
the Harvard University commons, is managed may be interesting. The control is shared by the University authorities and the students, the committee of the latter being composed of two members from each class, chosen by those of its members who board at the Hall. The steward is employed by this committee, and is paid a salary which grows larger as the price of board is lower and the number of boarders increases. As Harvard students are free to select their own boarding-place it is for the steward's interest to give good board at the lowest possible price. The following figures are not exact but will serve for illustration. If the price of board is not over \$4.25 per week the steward receives \$150.00 a month salary, if over that but \$125.00. In addition to this he receives one cent from each student for each ten cents that the price of board falls below \$5.00 per week. Thus, if the price were \$4.00 per week, and the number of boarders five hundred, each one would pay the steward ten cents a week, or \$50.00,—at the rate of \$2600 yearly, in addition to his \$1800 regular salary.

The directors exercise a general supervision over the supplies, receive complaint, etc., and choose an auditor who examines the accounts.

The present steward is a very agreeable gentleman, and I would be loth to say a word which might hurt his feelings, and I only suggest the adoption of some such plan as that in vogue at Harvard believing that the only way the students generally can be satisfied regarding the board is by giving them some control of the matter and an insight into the cost of supplies and their preparation for the table.

—R. K. J.

The Stanford University of California has ordered from Clark & Sons, Cambridge, Mass., a lense for their new telescope, which is to be forty inches in diameter. There is also another large observatory to be erected at the University of Los Angeles, with a telescope having a clear aperture of forty-two inches. Thus California will have the three largest observatories in the world.



## '89's CLASS POEM.

NELLIE WATERHOUSE REED.

Waiting at the water's margin  
 Stands a lofty ship to-day,  
 With its white sails spread and eager  
 Now to bound across the bay.

For long years the workmen labored,  
 Toiling with unceasing care,  
 Building up of stoutest timbers  
 That the barge be stanch and fair.

Carefully they chose each timber,  
 Joined together firm and strong;  
 Watching that in all the vessel  
 Neither stem nor stern be wrong.

'Neath the workmen's hands, the structure  
 Fairer grew, until at last,  
 They could look with satisfaction,  
 On the labor of the past.

Now, with banner floating o'er her,  
 Eager is the craft to leap  
 Into untried seas before her,  
 And to struggle with the deep.

Fair the waters look around her  
 Gleaning 'neath the summer's sky,  
 Not a wave or angry billow  
 Tell of any danger nigh.

Yet beyond the peaceful harbor  
 Roll the surges loud and long,  
 Still remains the craft undaunted,  
 Though untried, yet safe and strong.

Onward o'er the restless ocean  
 May the fair ship safely sail,  
 Firm, secure, on pleasant waters  
 Or when swept before the gale.

On the banner of the vessel  
 An inscription I can see,  
 For it bears our old class motto  
 And the letters M. S. C.

Four long years have quickly vanished,  
 Filled with work and pleasure, too,  
 Since in college halls we gathered  
 Trembling as poor freshmen do.

We have had our share of sorrows  
 But from them some good appears,  
 For they've bound us by a friendship  
 That will last for many years.

Now, with untried seas before us,  
 We feel eager for the strife,  
 Ready for what e'er awaits us  
 On the unknown voyage of life.

Launching forth let hope shine brightly  
 For this is our guiding star,  
 And with truth, a trusty compass,  
 We may safely sail afar.

Though our courses widely differ,  
 And perchance no more we'll meet,  
 All the days we spent together  
 Memory will still hold sweet.

Let the log-book of our journey  
 Many a noble record bear,  
 Though we may not prove a victor  
 And the wreath of laurels wear.

Yet to self and *Alma Mater*  
 Let us each prove ever true,  
 And as classmates be united  
 When the voyage of life is through.

## IMMENSITY OF THE UNIVERSE.

JUNIOR PRIZE THEME. [ABRIDGED.]

IMMENSITY is one of the first ideas to impress itself upon the student of creation. Though nature presents many wonderful things to our view, yet is immensity, whether of volume, weight or distance, the most striking attribute of the universe, that which most quickly exhausts the imagination, and gives to the inquirer a conception of the finiteness of himself and his terrestrial surroundings, and of the comparatively contracted range of the human intellect.

Our earth itself is twenty-five thousand miles in circumference, a distance that a steamer sailing day and night would require twenty-four weeks to cover. Turning toward the heavens the first object to interest us is the sun. Now, at this same rate, how long would it take a steamer to sail thither, provided such a cruise were possible? One thousand six hundred and seventy-seven years! The men who began this



marvellous journey would grow old and die; their children and their children's children would follow them; the story of the beginning of the voyage would be forgotten, or would live only in history, where succeeding generations might read of their wonderful ancestors as we now read of the exploits of William the Conqueror or of the campaigns of Hannibal; and not until fifty generations had been born, had grown old, and had passed away, would the ship be moored in the solar haven.

Sound moves with a velocity of one thousand one hundred and twenty feet per second. Supposing a sound could be made in the sun loud enough to be heard on the earth, and there were a medium to convey it hither, the time necessary for its passage would be fourteen years. If some tremendous outburst occurred there to-night, we should hear it in the year 1903.

The *mass* of the sun, or the quantity of matter it contains, is three hundred and fifteen thousand times that of the earth. Could the latter be increased in density, without enlarging in volume, until it contained the same amount of matter as the sun, the weight of every earthly object would, in accordance with the law of gravitation, be multiplied by three hundred and fifteen thousand. A half-ounce letter-weight would gravitate with a force of four and one-half tons, while the weight of an ordinary man would become twenty thousand tone. A body raised a single inch above the ground, and then dropped, would strike the surface with a speed trebly excelling that of the lightning express.

In *volume*, the sun equals one million two hundred thousand earths.

The number expressing its weight in tons is written with twenty-eight figures, a number that none can comprehend.

The amount of solar heat received by us during twenty-four hours has been calculated to be sufficient to raise an ocean seven hundred and eighty feet deep, covering the whole earth, from the temperature of freezing water to the boiling point. Yet this is only one two-thousand-millionth of the entire heat radiated during the same time by the sun.

The amount of light the sun supplies us can with difficulty be fully appreciated. Although

the moon's light seems often so considerable, yet, extravagant as may the statement at first appear, were the sky covered with full moons, we should scarcely have alight equal to that of a day of cloudless sunshine.

The cause of the solar heat and light is a disputed point among scientists. It could hardly be the consuming of the sun itself, though even in this case there would be fuel enough for forty-six centuries to come. The forces necessary for the production of this light and heat must, however, be accompanied by the most terrific disturbances. The most violent terrestrial wind blows less than one hundred miles per hour, but the fiery currents that rush over the surface of the sun often travel as many miles in a second, and, in the gigantic throes of some awful eruption, matter sometimes shoots upward with a velocity of five hundred miles per second, a swiftness exceeding many hundred fold that of the cannon ball, the most rapidly moving terrestrial body of which we have any cognizance, and far surpassing the velocity of any planet in its orbit.

Considering some of these facts, "Well might we be filled," as Dr. Steele has reverently said, "with indescribable awe at the thought of the Being who made the sun, and who holds it in the very palm of his hand."

Passing outward from the sun we now come to the planets, or wandering stars of the ancients, and as our earth is a planet, it too must be classed with these so-called stars. Continuing our journey we pass in succession Mars, the planetoids, Jupiter, Saturn, Uranus, and, proceeding yet on and on into the cold ether depths, we at last reach Neptune, that faithful sentry whose eternal round comprises the very limits of the solar system. So great is its distance that even to the keenest eyesight it is invisible, and it appears through an instrument only as a star of the ninth magnitude. Naturally we think we are now at the end of our wandering, that the confines of space have reached, that the extreme limit of the existence of matter has been attained; for we are now at a distance from the sun that a man, walking three miles per hour without cessation, could not traverse though his life were extended to a thousand centuries, a space that could not be covered in five thousand years by an express

train moving in all but view in itself has star, yet only bodily way archness, the more bright in their tune is a abyss so tion record of which, as is the so tremendous thought, astronomer times the many feet

Reason are the s this problem of it is t by the ast ent from the world remoteness time, hav a score, a Alpha Centauri is now su its distance that of th Let it b probably limit, less than which est fixed red and e light wou beyond N planet from digious sp for three chasm is the nearest would shi would the cant atom stars.



train moving a mile a minute. But no; though in all but two instances the planets are lost to view in the immensity of space, and the sun itself has dwindled to hardly more than a mere star, yet with these exceptions the same heavenly bodies gleam above us, the same milky way arches over our heads in all its indistinctness, the stars seem no nearer and shine no more brightly, and the constellations stand out in their old familiar groupings. Beyond Neptune is a gulf which no mind can fathom, an abyss so appalling that the strongest imagination recoils before it, to denote the dimensions of which, figures have no meaning. Marvellous as is the fact, the earth's distance from the sun so tremendous that it cannot be spanned by thought, is used in sidereal measurements as the astronomer's foot-rule, and he speaks of so many times the sun's distance just as we speak of so many feet or inches.

Reasonably our first inquiry is, How distant are the stars? Though the theoretical part of this problem is simple, the practical application of it is the most difficult task ever undertaken by the astronomer. These difficulties are apparent from the fact that the ablest astronomers of the world have labored for years to ascertain the remoteness of the stars, but, up to the present time, have obtained the distances of less than a score, and these with no degree of precision. Alpha Centauri, a star in the southern heavens, is now supposed to be the nearest to the earth, its distance being two hundred thousand times that of the sun, or nineteen trillions of miles. Let it be remembered however, that this is probably not its actual distance, but merely a limit, less than which it cannot be, and greater than which it must be, and that this is the nearest fixed star. While its velocity of one hundred and eighty-three thousand miles per second, light would in one day shoot out into the abyss beyond Neptune, six times the interval of that planet from the sun. Nevertheless at this prodigious speed it must course on day and night for three years and nine months before the chasm is crossed and a resting place found at the nearest star. At that distance the sun would shine no brighter than the pole star, and would then be seen as it really is—an insignificant atom among the innumerable hosts of stars.

Sirius, the "dog star," whose volume is two thousand times that of the sun, has been found so distant that twenty-two years are required for its light to reach the earth. What a vast planetary system must it be that is ruled over by this magnificent globe! For, has anyone reason to doubt that other suns besides our own preside over families of worlds, dispensing to them light and life?

The pole star, whose beams are the guide of the wanderer and the inestimable blessing of the seaman, is itself so remote that, were it annihilated this very moment, our mariners would still direct their courses by its rays for half a century to come.

But these are in the same little nook of the universe as our own system. They are, as it were, our next-door neighbors. What then must be thought of the multitude of stars whose distances are absolutely immeasurable! What of those filmy clouds of light which even the most gigantic astronomical instrument is powerless to resolve into stars, and which send us only a glimmer from their far off beds of fleecy whiteness! And what of those vaporous patches of nebulae, where nature is seen in the very act of world-making, as revealed to us by that wondrous analyst of celestial objects, the spectroscope! The conclusion is irresistible that their light must have set out on its ethereal passage ages ago, perhaps thousands and millions of years before the creation of man. But suppose for a moment the impossible: assume that we can take a million fold the speed of light, and fly towards one of these irresolvable star clusters for a million, yes, for ten billion trillions of centuries, till we finally arrive at our destination. Are we *now* at the outposts of creation? Beyond, the heavens yet present to our view dense throngs of stars; still farther into the billowy wastes are again beheld those nebulous clusters defying the powers of the keenest implements of astronomical science. Fly towards these for ages on ages till they too are reached, and once more the same perplexities are ours—beyond, and above, and below—everywhere, are visible those stupendous groupings of worlds; yet farther into the infinite abyss are discerned myriads of suns appearing upon myriads—but hold! Bewildered, overpowered, *lost*, with

reverence and trembling do we exclaim in the language of that almost inspired writer, "Great art thou, almighty God—and most wonderful are the works of thy hand!"

In this intellectual flight the mind is here compelled to pause. Its speed has long since slackened, and its pinions are now drooping and weary. The finite proves itself no measure for the infinite. From our near and diminutive neighbors, the wanderers or planets, we have sped outward to the fixed stars, endeavoring to comprehend something of their numbers and dimensions; but our failure has been signal. How far soever is our journey extended we are still environed by the most surpassing magnificence, at every turn confronts us the most unspeakable grandeur. No wonder that Addison, awe-inspired, breaks forth:—

The spacious firmament on high,  
With all the blue ethereal sky,  
And spangled heavens, a shining frame,  
Their great Original proclaim.

Can it be that the Author of all this illimitable splendor cares for our insignificant abode, more than this, guards every human being, yet farther, interests himself even in the most inferior microscopic insect? Yes; God is as devoted to the welfare of the humblest being as to the controlling of the heavens themselves. Though in vain amid these ceaseless mutations does the mind seek something permanent, upon which it may rest in security, yet may it ever feel the completest safety: all is directed by Him who is "the same yesterday, to-day, and forever;" by Him who has said, "Heaven and earth shall pass away, but my words shall not pass away;" by Him in whose sight a thousand years "are but as yesterday when it is past, and as a watch in the night."

C. C. HARVEY.

The U. S. Government has ordered a telescope for the observatory in the district of Columbia, which will be the largest refracting telescope in the world; having a lense sixty inches in diameter.—*Ex.*

Seven magazines are published by John Hopkins, on Mathematics, Chemistry, Phiology, Biology, Historical and Political Sciences one each, while on local interests three are issued.

#### CLASS ODE.

By MISS NELLIE L. LEAVITT.

*Air:—Take me back to Home and Mother.*

Let us gather for the parting,  
From the scenes we've loved so well,  
While the tears are checked in starting,  
As the hopes within us swell.  
Though we've labored on together,  
Where for four years joy has reigned,  
Yet the future opens ever,  
Nobler ends to be attained.

But our ties we now must sever,  
And when duty calls afar,  
Let our motto, "Onward," ever  
Be to us a guiding star.

Ah, these four years! swift in flying,  
Let us from their lessons, gain  
Precious truths, by which, defying  
Care and danger, we remain  
Strong to meet life's duties, fearless  
What to us our futures bear;  
That each life shall be a witness  
To our *Alma Mater's* care.

But time presses; courage classmates,  
Let no regrets our bosoms swell,  
Wish for all and each one God speed,  
And a heartfelt fare-ye-well.



Examinations!!!

My saddle has worn out!!!

Prof. Hamlin has been napping.—???

The President's house and the Beta Theta Pi building have received a fresh coat of paint.

The new road back of Coburn Hall and the Laboratory, is now complete. This road not only saves much travel, but adds to the beauty of the Campus.

One of our leading young Civil Engineers says that the north west section of land in a township has five whole quarters. Young men invest in a north west section!

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The Farmers club for Penobscot Co., met June 18th, at the Town Hall, Orono, and held a very profitable meeting; after which dinner was served in the Hall. In the afternoon they visited the College.

A new horse lawn-mower has been purchased which is now used on the lawn with entire satisfaction. Next season a much larger lawn than common will be kept mowed.

Prof. Harvey's eldest heir is a "chip of the old block," and not only delighted his father, but surprised others by his wonderful proficiency in hooking the wary trout on his recent trip to the Katahdin Iron Works.

A new Buckeye mower has been presented to the College by the manufacturers. This machine is first-class in every respect, having all the modern improvements. Pleasing results are expected this season.

They say that the Junior Farmers are among the best in College to tell wonderful stories; and it is even hinted that some of their yarns will *even* compare with the "fish stories" that '89 related when they returned from the Katahdin Iron Works.

A meeting of the Base Ball Association was held recently in which the following officers were elected: L. H. Jones, '90, President and Manager; J. W. Steward, '91, Vice-President; C. H. Nealley, '92, Secretary; G. H. Babb, '90, Treasurer; W. E. Keith, '91, Collector. The directors are to be appointed by the manager at the beginning of the fall term.

Upon one of the public days recently observed at the college, a very moving sight was noticed upon the campus. A member of '90 was seen to gallantly take charge of the horse and chariot of one of the Orono damsels, (with whom he was acquainted) upon her arrival at the college, and upon her departure, as gallantly deliver them to her, only to see her invite a member of '92 to accompany her home.

The science of Natural History is rapidly advancing. Each day brings to us some newly discovered fact. One of the most important discoveries of the age is that of an entirely new species of American Eagle. The details of this discovery are as follows: One of our honored

"Junior Civils" while on *duty* in the Natural History rooms, points to what has been formerly called a "Turkey Buzzard" and exclaims,—"Behold the great American Eagle." The habits of this new bird or any additional facts regarding it, will be gladly given on application through THE CADET.

From a notice of the Memorial Day observance at Liberty, in the *Republican Journal* for June 6th, 1889, we clip the following: The address of Lieutenant Hatch was very fine indeed. His subject was wholly connected with the old flag and the American wars, more especially the war of the Rebellion. Being a graduate of West Point and a student of military affairs, with a retentive memory and a good voice and fine *descriptive* powers, he held the old soldiers spellbound during the entire address. His description of the battle of Gettysburg was so graphic that the comrades of the old 4th and 19th fought their battles over again, and we think had they have been ordered to charge on the moon and capture the man therein, they would have made an effort to do so. It is no discredit to our former speakers, even the eloquent H. M. Lord, of Rockland, who addressed us last year, to say, that by reason of the subject and Lieutenant Hatch's ability to handle it, it was the most intensely interesting Memorial Address ever listened to at this place.

One of our Sophomore Civils accounts for the 6 hundreds in addition to the 66 feet of a surveyor's chain by saying that, that is the allowance made for the curvature of the earth, and now, Prof. Hamlin sighs to think, that with this one at least he has labored in vain.

#### IVY DAY.

The custom of observing Ivy Day, which is so extensive among our colleges, is an interesting one. Its origin is doubtful, but whoever conceived the idea of college classes planting an ivy upon the campus of their *Alma Mater*, deserves the thanks and the honor of all those who continue to observe the pleasant custom.

To a returning alumnus, the sight of the ivy which his own hands have helped to plant,



climbing the walls of a well remembered building, is not only pleasant, but is suggestive, since the ever ascending vine, represents in a degree, the growing success of those who placed it there.

The observance of Ivy Day by the class of '91 of this college, occurred on Thursday June 13, a postponement of one week from the date first intended, thus giving ampler time to complete the arrangements.

'91 is the third class which has planted an ivy upon this campus, the other two being '88 and '90.

Thursday, the day appointed, was as favorable a one as the class could have wished. Freedom from the regular college exercises was given all the students in the afternoon, and to the class most interested in the forenoon as well. 2.30 p. m., the time appointed for the Ivy Exercises to commence, found a good number of the students and townspeople assembled in the new chapel in Coburn Hall. The class soon marched in and occupied seats upon the left of the platform, upon which the president of the class sat with the orator and poet. Excellent music during the hour was furnished by the college quartette. The exercises were opened with prayer by Wm. R. Farrington, of Portland, and then followed the delivery of the oration by G. E. Thompson, of Orono. Of this the class may well be proud, since both the oration itself and its delivery were excellent. The same may be said of the poem, and both were appreciated by the audience.

After the exercises were completed, the class passed out of the chapel, and proceeded to plant the vine. It was placed upon the south side of Coburn Hall, a short distance beyond that of '90.

An interested audience looked on while each member of the class in turn placed a shovelful of earth about the roots of the Ivy which in after years would stand as a memorial of '91, and listened to the presentations, and the singing of the Ode. The curator, Joseph Graves, was charged by president Patten to guard the Ivy well, and he made a fitting response.

After this, the class gifts were bestowed upon the favored members by C. E. Cobb, and the wit of both the giver and the receivers called forth much mirth.

Steward received the mirror as being the handsome man of the class. The soldier was Scott, and he was presented with a *gun* and goggles, with the injunction that he, in future, keep a sharp lookout for surveyors stakes while marching. Starrett received the (?) and it is hoped that he will make good use of it. Rheumatism often attacks Tirrel on *three days of the week*, and a crutch was given to him, in the hope that he might be benefited by its use. Keith, the captain of the ball nine, was very appropriately presented with a bat. Valentine was the Ladies' Man, and he was made happy by receiving a cane. The smelling salts for the Sleepy Man were bestowed upon Butterfield, and Lord was charged to defend the class with an overgrown squirt gun. The class ode written by H. V. Starrett, was then sung to the tune of "Co-ca-che-lunk," and the exercises of the day were at an end.

In the evening a banquet at the Bangor House was enjoyed by the class.

It is to be hoped that the example set by '88, '90 and '91 will be followed by all succeeding classes, and that this pleasant custom will not be allowed to fall into disuse here. A row of ivys climbing the walls of Coburn Hall would be an attractive sight.

#### COMMENCEMENT.

The exercises of the eighteenth Annual Commencement of the M. S. C. opened Saturday, June 22, with the Sophomore Prize Declamations. The exercises took place in the Town Hall, which was beautifully decorated for the occasion, by evergreens, bunting, flowers and flags. In the center of the hall was suspended a large sphere to represent the world and written across it, the class motto, "*La terre est a nous.*" Music was furnished by Andrew's Orchestra of Bangor. The following is the order of exercises:

##### MUSIC.

- |                               |           |
|-------------------------------|-----------|
| 1. The Roman Sentinel,        | Florence. |
| Warren Robin Page, Hampden.   |           |
| 2. Flying Jim's Last Leap,    | Banks.    |
| Henry Vaill Starrett, Warren. |           |
| 3. The Old Actor's Story,     | Sims.     |
| Hugo Gustave Menges, Bangor.  |           |

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## MUSIC.

4. The Chariot Race, *Gen. Lew Wallace.*  
Wallace Rider Farrington, Cape Elizabeth.

5. The Black Regiment, *Boker.*  
Alden Palmer Webster, Orono.

6. The Unknown Speaker, *Anon.*  
Geo. Edward Thompson, Orono.

## MUSIC.

7. Toussant L'Ouverture, *Phillips.*  
William Melvin Bailey, Showhegan.

8. The Pilot's Story, *Howells.*  
Edmund Clark, Bethel.

9. The College Oil Cans, *McGuire.*  
Charles Norton Taylor, Hampden.

## MUSIC.

10. The Dandy Fifth, *Gassamay.*  
True Lander Merrill, Orono.

11. Ramon, *Bret Harte.*  
\*Jacob Frye Hersey, Parten.

12. The Baptism, *Wilson.*  
Cyrus Hamlin, Bangor.

## MUSIC.

\* Excused.

The Hall was well filled and all declared it one of the best entertainments of the kind for many years.

The pieces were well selected, thoroughly committed and finely delivered. The judges were almost inclined to make honorable mention of all the speakers. The Sophomores have our hearty congratulations for their success.

## SUNDAY EVENING, JUNE 23.

The Baccalaureate sermon was delivered at the Hall by C. F. Allen, first President of the college. He was introduced by President Fernald in a few well selected words. His text was taken from Phil. 3:13, "This one thing I do." The address was listened to by a large and attentive congregation and was highly appreciated. Music was furnished by the college male quartette.

## MONDAY, JUNE 24.

In the afternoon from 3 to 6 occurred the annual reception of the Maine State Chapter of Beta Theta Pi, at their Chapter House. The reception was one of the most largely attended of any that they have ever held, and numbered among its guests many members of the faculty and their families, the class of '89 and many citizens of Orono, and scores of young ladies from Orono, Old Town and Bangor. A most excellent time was enjoyed. In the evening

although the weather looked threatening, the hall was filled at an early hour, and a large number had to go away unable to get standing room. It was thought by some to be the largest crowd ever in the hall at one time. The music was given by Miss Dora Wiley, soloist; Mr. E. C. Adams, cornetist; Mrs. F. L. Tuck, pianist; all of Bangor.

The following is the order of exercises presented by the Juniors.

## MUSIC.

1. Continental Unity,  
JOSEPH RILEY RACKLIFFE, Hampden.

2. Navy and Coast Defences,  
JOHN BIRD, 2d, Rockland.

3. The Book of Nature,  
FRED TODD DOW, Gorham.

4. Electricity,  
FRANK ORRIS ANDREWS, Rockland.

5. Education of the Illiterate Masses,  
EVERETT FENNO HEATH, Bangor.

6. American Dairying,  
ALBERT WILSON DREW, Canaan.

7. Labor vs. Capital,  
ALBERT MILLS HASTINGS, Rockland.

8. Profitable Education,  
GILMAN HODGDON WEBBER, Boothbay.

9. Smithsonian Institution,  
FULLERTON PAUL REED, Boothbay Harbor.

10. Evolution,  
FRANK WADE SAWYER, Milford.

## MUSIC.

11. Drainage,  
GEORGE MELVILLE PILLSBURY, North Scarborough.

12. Our Public Lands,  
JOHN WESLEY OWEN, JR., Saco.

13. Character Painting,  
EDWARD HAVENER KELLEY, Belfast.

14. The Choice of Friends,  
CHESTER JAY WALLACE, Jackson.

15. Is the Present Age Degenerate?  
GEORGE HERBERT BABB, Sebago.

16. Mathematics,  
\*NATHAN CLIFFORD GROVER, West Bethel.

17. Are the Farmers of Maine as Well Protected  
as the Manufacturers?

- GEORGE PENDLETON GOULD, Stillwater.

18. Practical Application of a College Agricultural Education,

- SAMUEL HENRY TEWKSBURY HAYES, Oxford.

19. Immensity of the Universe,  
CHANDLER CUSHMAN HARVEY, Fort Fairfield.



20. Progress,  
VARNA JOHN PEIRCE, Hudson.
21. Self Reliance,  
FRED GRANT QUINCY, Masardis.
- MUSIC.
22. How Shall the President be Elected?  
RALPH HOLBROOK WIGHT, Belfast.
23. Advantages of Education in Mechanical Engineering,  
CARROLL DAVID CARGILL, Livermore Falls.
24. Irrigation,  
IRVING CHASE KENNISTON, Boothbay Harbor.
25. Battles of the Old World,  
WINFIELD SCOTT WEBB, Caribou.
26. Utility of Arctic Explorations,  
GEORGE EDWIN KEYES, Hampden.
27. Professional Education for the Teacher,  
GEORGE IRVING BOWDEN, South Penobscot.
28. United States Light House Establishment,  
Charles Sampson Williams, McNegan Island.
29. Cultivation and Improvement of Waste Land,  
WILLIAM BRIDGHAM PIERCE, Hudson.
30. Electric Telephone,  
HARRIS DRUMMOND DUNTON, Boothbay Harbor.
31. Grandeur of a Noble Character,  
ELMER LAKE MOREY, Colombo, Ceylon.
- MUSIC.
32. Education,  
WALTER EVERETT CROXFORD, Jackson.
33. Mormonism,  
HUGO CLARK, Lincoln.
34. History of the National Debt,  
ALPHONSO JOHN COFFIN, Harrington.
35. Historical Sketch of Rockland,  
RALPH HARVEY BLACKINGTON, Rockland.
36. English and American Railroads,  
WILLIAM EARRON PIERCE, Harpswell.
37. The Navy of the United States,  
EDMUND NEEDHAM MORRILL, Deering.
38. Self Discipline,  
HORACE PARKER FARRINGTON, Cape Elizabeth.
39. Prohibition of Interest to Farmers,  
CLARENCE BUZZELL SWAN, Old Town.
40. The Lost Arts,  
ALLIE CROSBY HARDISON, Caribou.
41. Education in Civil Engineering,  
LEON HOUSTON JONES, Rockland.
- MUSIC.

Speakers Indicated by Heavy Type.  
\* Excused.

The exercises were highly entertaining and the boys of '90 did themselves justice in every respect.

After the Junior exhibition followed the fifteenth annual reunion of the Orono chapter of the Q. T. V. Fraternity, at their chapter building. The meeting was largely attended, for many of their alumni had returned to participate in this pleasant event. The festivities did not end until a late hour and all voted it a most pleasant reunion. The following is the order of exercises:

#### OPENING CEREMONIES.

G. G. Freeman, W. G. M.

MUSIC.

Address of Welcome, John Reed.

MUSIC.

#### INSTALLATION OF OFFICERS.

MUSIC.

Declamation, J. R. Rackliffe.

MUSIC.

#### REMARKS BY THE ALUMNI.

At the Banquet served in the room below their hall G. I. Bowden presided as Toastmaster and toasts were responded to as follows:

Q. T. V.,	F. P. Briggs, '89.
'89,	E. R. Haggett, '89.
Scientific Institutions,	C. C. Harvey, '90.
'90,	G. P. Gould, '90.
Absent Brothers,	F. L. Russell, '85.
'91,	W. E. Keith, '91.
Address to Graduating Class,	G. M. Pillsbury, '90.
'92,	M. E. Farrington, '91.
Parting Address,	M. E. White, '89.

#### TUESDAY, JUNE 25.

At 1.30 p. m. the bugle sounded and the Cadets assembled for drill. The corp under the command of Lieut. Hatch were drilled for some time in the movements of battalion drill and then the battalion was drawn up in dress parade and Adjutant Edgerly published the order, appointing the officers for the next year. They are as follows:

#### FIELD AND STAFF.

Major and Commandant, Edward H. Kelley.  
First Lieutenant and Adjutant, Nathan C. Grover.  
First Lieutenant and Quartermaster, Chandler C. Harvey.

Sergeant-Major, William R. Farrington.

#### COMPANY "A."

Captain, John Bird.

First Lieutenant, Alphonso J. Coffin.

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Second Lieutenant, Everett F. Heath.  
 Third Lieutenant, Samuel H. T. Hayes.  
 First Sergeant, Wallace R. Farrington.  
 Second Sergeant, William N. Patten.  
 Third Sergeant, Hugo G. Menges.  
 Fourth Sergeant, William A. Morris.  
 Fifth Sergeant, Clarence Scott.  
 First Corporal, George F. Rich.  
 Second Corporal, William C. Holden.  
 Third Corporal, Frank S. Tolman.  
 Fourth Corporal, Henry M. Prentiss.

## COMPANY "B."

Captain, Joseph R. Rackliffe.  
 First Lieutenant, George H. Babb.  
 Second Lieutenant, Fred T. Dow.  
 Third Lieutenant, Horace P. Farrington.  
 First Sergeant, Edwin R. Merrill.  
 Second Sergeant, William E. Keith.  
 Third Sergeant, Robert W. Lord.  
 Fourth Sergeant, Henry V. Starrett.  
 Fifth Sergeant, Edmund Clark.  
 First Corporal, Robert H. Fernald.  
 Second Corporal, Arthur C. Grover.  
 Third Corporal, Charles M. Randlette.  
 Fourth Corporal, Mortimer L. Bristol.  
 Color Sergeant, John W. Steward.  
 Band Leader, George E. Keyes.  
 Band Sergeant, Cyrus Hamlin.

Tuesday evening the President gave a reception to the Alumni and graduating class. A very enjoyable time was given to the returned children and when they all came together there was found to number more than at any other commencement.

After the President's reception followed the thirteenth annual reunion of Beta Eta of Beta Theta Pi. It also celebrated the semi-centennial of the founding of the fraternity, and was the tenth since the absorption of the Alpha Sigma Chi by the Beta Theta Pi fraternity.

The exercises were held in the chapter rooms and consisted of a welcome address by the president of the chapter, C. G. Cushman, '89, oration by J. Fred Lockwood, '89, and the poem by E. D. Graves, '86. Music and songs were interspersed during the exercises and at the close the chapter adjourned to the dining hall of the college boarding-house where the banquet was spread. W. R. Howard, '82, officiated as Toastmaster and introduced the following toasts and speakers:

Our Active Members, G. H. Babb, '90.  
 Song—"Dear Beta."  
 Military Betas, G. F. Black, '86.  
 Loyal Alumni, C. S. Bickford, '82.  
 Song—"Singing to Wooglin."  
 The Goat, W. C. Holden, '92.  
 The Pink and Blue, J. W. Edgerly, Jr., '89.  
 Song—"Color Song."  
 Beta Sisters, E. H. Kelley, '90.  
 Song—"There's a Scene."  
 Betas in Business, W. T. Haines, '76.  
 Song—"Farewell Song."

After the response to the toast Loyal Alumni by Mr. C. S. Bickford, '82, he was called to the side of the toastmaster, who, in the name of the active and silent members of the chapter, presented him with an elegant Beta Theta Pi ring as a token of their appreciation of the work he has done in many ways for the interest of the chapter. The gift was a great surprise and Mr. Bickford in an affected speech replied to the presentation in a fine manner.

## WEDNESDAY, JUNE 26.

Wednesday morning at 9.45, the graduating class took their turn at entertaining the public and their efforts were rewarded by excellent success. There were many of the trustees present, and during the first music Gov. Burleigh entered the hall and was received upon the stage amid loud applauses. Music was furnished by Andrews' Orchestra, and the program was carried out as follows:

Music,

Prayer.

Music.

## EXERCISES FOR THE BACHELOR'S DEGREE.

1. Immigration, Mortimer Frank Wilson, Orono
2. Steam Boiler Explosions, Charles Granville Cushman, North Bridgton
3. Work of the Young Men's Christian Association, †Joseph Willard Edgerly, Princeton
4. Engineering, Mark Elmer White, Ashland
5. Self-Culture, Nellie Louise Leavitt, Norridgewock  
Music.
6. Work of the Engineer, Fred Stevens, Winter Harbor
7. Improper Management of Farms, George Gifford Freeman, Cherryfield
8. Money in Society in the United States, \*Eben Raymond Haggett, Newcastle
9. Nicaraguan Ship Canal, John Reed, Benton

## Music.

10. Development, Nellie Waterhouse Reed, Stillwater
11. American Merchant Commerce, George Melville Gay, Damariscotta
12. Railroads, †Gilbert Scovil Vickery, Bangor
13. Spectrum Analysis, Jere Sweetser Ferguson, Searsport
14. Concentration, Fred Percy Briggs, Hudson

## Music.

## EXERCISES FOR THE MASTER'S DEGREE.

15. Thesis,—Foundations, †George Fuller Black, Portland
16. Thesis,—An Original Survey, †Joseph Grant Kelley, Bar Harbor
17. Thesis,—Pipe Sewers and House Connections, †Heywood Sanford French, Boston, Mass.
18. Thesis,—Knotting Mechanism of the McCormick Twine Binder, †William Webber, Chicago, Illinois
19. Thesis,—Mowing Machine, †Elmer Ellsworth Merritt, Chicago, Ill.
20. Thesis.—Silk Culture and the Producers of Silk, †Edson Forbes Hitchings, Bucksport
21. Thesis.—A Comparison of Two Feasible Routes for the Location of a Railroad, †Edwin Dwight Graves, No. Anson.
22. Thesis.—Design of Hydraulic Engine to Operate Passenger Elevator in The Eiffel Tower, Paris. †James Frederic Lockwood, New York City

\* Not delivered.

† Excused from speaking.

President Fernald then calling the class to the stage conferred upon them the degrees for which they have been working, conferring upon Fred Percy Briggs, George Gifford Freeman in the course in agriculture; upon Eben Raymond Haggett, Nellie Louise Leavitt and Nellie Waterhouse Reed, in the course in science and literature; and upon George Melville Gay, Jere Sweetser Ferguson and Mortimer Frank Wilson the degree of Bachelor of Science; upon Joseph Willard Edgerly, John Reed, Gilbert Scovil Vickery and Mark Elmer White in the course in civil engineering, the degree of Bachelor of civil engineering; and upon Charles Granville Cushman and Fred Stevens in the course in mechanical engineering, the degree of Bachelor of mechanical engineering.

The following advanced degrees were also conferred: upon George Fuller Black, '86, Joseph Grant Kelley, '84, Hayward Sanford

French, '86, and Edwin Dwight Graves the degree of Civil Engineer; upon William Webber, '84, Elmer Ellsworth Merritt, '86, James Fredrick Lockwood, '86, the degree of Mechanical Engineer; upon Edson F. Hitchings, '75, the degree of Master of Science; and upon George P. Merrill, '79, the degree of Doctor of Philosophy.

The graduating class, as well as Messrs. Hitchings, Graves and Lockwood received their diplomas from the hand of Governor Burleigh.

The prizes were awarded after the exercises as follows: The Prentiss prize for best Junior essay was given to Chandler C. Harvey, Fort Fairfield. Honorable mention was made of Everett F. Heath, Bangor; Joseph R. Rackliffe, Hampden. The Prentiss prize for best Sophomore declamation was equally divided between Charles M. Taylor, Hampden, and Alden P. Webster, Orono; honorable mention of George E. Thompson, Orono, Cyrus Hamlin, Bangor. The Libbey prize for best essay on agricultural topic went to George M. Pillsbury, North Scarborough; honorable mention Fred P. Briggs, Hudson. Reward for highest standing in Sophomore class, William R. Farrington, Portland, 96.9; honorable mention James W. Davis, Yarmouthville, 93.4; Fred C. Moulton, Hiram, 92.4. The Freshman prize was divided between Robert H. Fernald, Orono, 97.3, and Clinton J. Gibbs, So. Turner, 97.3; honorable mention, Arthur C. Grover, West Bethel, 94.4; Job Prince, South Turner, 92.3.

In the evening the Commencement concert given by the class of '89, took place in Town Hall and was a grand success. The following artists took part: The Ruggles Quartette of Boston, H. O. Johnson, 1st tenor; W. T. Meek, 2d tenor; G. H. Remele, 1st bass; Dr. G. R. Clark, 2d bass. Miss Alice May Bates, soprano; Miss Bertie Webb, violinist; Mr. Harvey Murray, Pianist.

Thursday P.M., class day exercises opened at two o'clock and were conducted in a pleasing way throughout.

## ORDER OF EXERCISES.

## OVERTURE.

Oration,

M. E. White.

## MUSIC.

History,

Poem,

Prophecy

Address

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History,		G. S. Vickery.
	MUSIC.	
Poem,		Miss Nellie W. Reed.
	MUSIC.	
Prophecy,		C. G. Cushman.
	MUSIC.	
Address to Under-Graduates,		G. G. Freeman.
	MUSIC.	
Valedictory,		John Reed.
	Singing Class Ode.	
	Smoking pipe of peace.	
	Shaking of Hands.	
	MUSIC.	

This commencement was said to be the finest in every respect of any yet, and we hope they may keep improving every year as they have improved.—*Ed.*



'75.

E. F. Hitchings, Prof. in the Natural Science department of the East Maine Conference Seminary, is to pass the summer at Lake Quinsigamond, near Worcester, Mass.

'78.

A. J. Caldwell is with H. R. Wortnington, New York City.

'79.

D. A. Decrow is Assistant Engineer and Assistant Superintendent of the Holly Mfg Co., of Lockport, N. Y.

'80.

A. H. Brown, '80, and J. F. Gould, '82, narrowly escaped from what might have been a serious accident, says the *Bangor Commercial* of June 17th. They were driving rapidly down Main St., Oldtown, when their team collided with one coming up a cross street. Both of the gentlemen were thrown out, but fortunately escaped injury although their carriage was badly damaged.

Chas. W. Fernald is a justice of the peace and member S. S. committee in Levant.

'81.

H. W. Brown is instructor of Metaphysics in the Literary Institute, New Hampton, N. H.

Frank S. Wade, M. D. is the present city physician of New Richmond, Wis., and has held the position continuously since 1876.

Henry H. Andrews is cashier of the Bank of Callaway, Callaway, Neb. Mr. Andrews has been taking a short vacation East, and was a pleased spectator of the Commencement exercises of his *Alma Mater*.

'82.

C. C. Garland is an alumnus who has made a fortune by taking Horace Greeley's advice to "Go West." He is senior member of a banking establishment, and also a large dealer in lumber in Minneapolis, Minn.

S. J. Buzzell is Surveyor General for the Penobscot Lumbering Association.

Will R. Howard, who is connected with the North-western Military Academy at Highland Park, Ill., is East on his vacation and will spend the summer in Belfast and York.

'83.

Frank G. Webster has returned from Newall, Iowa, to his former home in Bangor. Ill health is the cause of his return.

'86.

Ralph K. Jones has been elected Secretary of the Hancock Gas & Oil Co., Findlay, Ohio, and ex-officio a member of the board of directors. The Company is to prospect for gas and oil on a small scale and will drill the first well very soon. This new enterprise of Mr. Jones' is in addition to and outside of his regular work with the Kellogg Mfg. Co. of the same place.

J. Fred Lockwood is chief of the designing room of the firm of Otis Bros. elevator manufacturers, New York.

'87.

Fred H. Kirkpatrick has accepted an engineering position in Baltimore, with the Maryland Central R. R.

'88.

F. A. Smith has secured a position with G. W. Sturtevant, '81, Civil Engineering and contractor, St. Cloud, Minn.



C. L. Howes, has been in Orono, and vicinity on a vacation, but has now gone to Rockland where he will furnish music for the new hotel. A. H. Buker was in Orono with him but will return to Boston soon.

F. S. Brick recently gave an address on "Walks and Talks in Geology," at the Searsport High School, of which he is principal.

E. E. Greenwood is acting as time keeper upon the new line which the M. C. R. R., is constructing in New Hampshire.

'89.

C. G. Cushman has received through the agencies of A. H. White, '89, an offer of work from the Trenton Iron Company, Trenton, N. J. He telegraphed his acceptance of the position.

F. L. Thompson, a one-time member of '89 but now of Bowdoin, presided as Toast-master at the Freshman exit banquet held at Portland recently.

## BASE BALL.

As a result of this season's work the Maine State College team takes second place in the races for the championship and now that the season is over we can give a general summary of the work done this year though our space will limit us to only a very short description of the games played since those given account of in the June number. We wish we had space to compare the average of our team with the other teams of the league for we are sure that the comparison would show well in our favor. Looking back over the season's work we cannot hardly account for the reason for losing the first place, we had a team which when it did play a good game played as none of the other teams could, but these games our team failed to put up in the best shape when most needed. It is owing to their unsteadiness then that we can probably attribute our defeats. The season was interesting yet the games may not have been as well played as those in former years.

### JUNE 3, M. S. C. VS. BATES.

This game was looked forward to with much interest for much depended upon it. If the game was won then the championship could be readily secured, while if lost they could not hope to obtain it. The boys started in with courage and took a good lead, but in the third inning Vickery split his finger and had to retire. Keith took his place behind the bat and Holden went third, and though Keith caught a very fine game the boys seemed to give up and allowed the Bates to secure the game.

#### THE SCORE BY INNINGS WAS

	1	2	3	4	5	6	7	8	9	0
M. S. C.	4	1	0	1	0	0	0	1	0	7
Bates.	1	0	4	0	2	2	0	1	0	10

The game to have been played in Orono, June 8, was forfeited by the Colby, they should have had to go to quite an expence to secure their great man, Parsons, and seeing no prospects of winning decided it best to forfeit.

### JUNE 12, M. S. C. VS. BOWDOIN.

The game played in Bangor, June 12, between the M. S. C.'s and Bowdoin was a very poor exhibition of ball playing, it was long and errors counted up on both sides rapidly. Blackington after having got a good lead did not put up a good game and so in the seventh inning Pierce was put in his place and Blackington replaced Lord as short-stop. The pitching of Pierce was great, the three men being retired without a hit. The game was called at 6.15 at the end of the seventh inning.

#### THE SCORE BY INNINGS IS

	1	2	3	4	5	6	7	Total.
M. S. C.	5	4	4	1	1	2	2	19
Bowdoin.	0	3	1	3	5	4	1	16

We give below the games played in the league with the score of each.

#### RESULTS OF THE SEASONS GAMES.

May 1,	Colby vs. Bowdoin at Brunswick.....	Score, 9-11
4,	" " Bates at Lewiston.....	19-8
4,	Bowdoin vs. M. S. C. at Orono.....	8-12
8,	" " Colby at Waterville.....	10-15
11,	" " Bates at Brunswick.....	21-5
11,	M. S. C. vs. Colby at Waterville.....	11-18
15,	Colby vs. Bates at ".....	9-10
18,	Bowdoin vs. Colby at Lewiston.....	8-4
18,	Bates vs. M. S. C. at Bangor.....	16-14
22,	" " Colby at Brunswick.....	7-6
24,	Bowdoin vs. M. S. C. at Brunswick.....	11-12
25,	M. S. C. vs. Bates at Lewiston.....	8-18
30,	Colby vs. M. S. C. at Bangor.....	9-18
30,	Bowdoin vs. Bates at Lewiston.....	8-16

June, 3, M. S. C. vs. Bates at Orono.....	7-10
* S. M. S. C. vs. Colby at Orono.....	9-0
12, " " Bowdoin at Bangor.....	19 19
† 15, Bowdoin vs. Bates at Waterville.....	

\* Forfeited,  
† Not played.

The following table gives the games lost and won by each club, and the per cent. won :

Won.	Lost.	Bates.	M. S. C.	Bowdoin.	Colby.	Played.	Won.	Lost.	Per cent. won.
Bates.	—	3	1	2	†8	6	12	.750	
M. S. C.	0	—	3	*2	9	5	4	.555	
Bowdoin.	1	0	—	2	8	3	5	.375	
Colby.	1	1	1	—	9	3	6	.333	

\* Forfeited by Colbys.  
† Postponed.

The batting record of the team is given in the following table :

	Games	R	A.B.	B.H.	T.B.	Avg.	B.H.	Avg.	T.B.
Vickery, c.&l.f.,	8	12	37	13	13	.351	.351		
Blackington, c.f.&p.,	8	19	35	12	21	.343	.600		
Bird, 2b.,	8	11	40	13	16	.325	.400		
Rich, c.f.&r.f.,	7	9	39	12	21	.308	.538		
Holden, l.f.&3b.,	3	2	11	3	3	.273	.273		
Keith, c.&3b.,	8	15	24	6	11	.250	.458		
Babb, 1b.,	8	10	38	8	10	.211	.263		
Drew, c.f.,	8	10	35	7	9	.200	.257		
Steward, s.s.&r.f.,	3	4	13	2	2	.154	.174		
Haggett, l.f.,	6	5	27	4	4	.148	.148		
Lord, s.s.,	6	5	22	3	3	.136	.136		

The following table shows the fielding average of the team :

	S.B.	P.O.	A.	E.	F.A.
Blackington, c.f. and p.,	17	11	81	7	.929
Vickery, c. and l.f.,	8	40	19	5	.922
Babb, 1b.,	9	62	0	6	.897
Drew, c.f.,	14	11	3	3	.875
Rich, c.f. and l.f.,	4	9	2	2	.846
Bird, 2b.,	15	23	17	9	.816
Keith, c. and 3b.,	8	25	16	11	.782
Lord, s.s.,	4	6	14	8	.714
Holden, 3b. and l.f.,	2	5	1	3	.667
Haggett, l.f.,	6	7	1	5	.616
Steward, r.f. and s.s.,	8	4	2	5	.545

### Directory of the Secret Societies and Associations Connected with the Maine State College.

#### Q. T. V. Fraternity, Orono Chapter, No. 2.

Meetings every Friday night in Chapter House.

W. G. M.....F. T. Dow.  
V. G. M.....J. W. Owen.  
Cor. Sec'y.....Geo. P. Gould.

#### Maine State Chapter, the Beta Eta of Beta Theta Pi.

Meetings every Friday night in Chapter House.

Pres.....C. S. Williams.  
V. Pres.....Cyrus Hamlin.  
Cor. Sec.....Wallace R. Farrington.

#### Psi Chapter of Kappa Sigma, Maine State College.

Meetings every Friday night in Chapter Hall.

Guards of the } .....J. S. Ferguson,  
Twelfth Gate. } .....F. W. Sawyer,  
.....W. A. Morris,  
.....G. F. Rich.

#### Y. M. C. A.

Meetings every Wednesday evening in the Association Room No. 10, Wingate Hall.

Pres.....Geo. E. Keyes.  
V. Pres.....M. L. Bristol.  
Cor. Sec.....H. V. Starett.

#### Reading Room Association.

Pres.....G. S. Vickery.  
V. Pres.....E. H. Kelley.  
Sec.....C. C. Harvey.

#### M. S. C. Publishing Association.

Pres.....J. S. Ferguson.  
V. Pres.....G. M. Gay.  
Sec.....G. H. Babb.

#### Base Ball Association.

Pres. and Manager.....L. H. Jones.  
V. Pres.....J. W. Steward.  
Sec.....C. H. Nealley.

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