

Report of
Prof. Ward

June 3 1891

President - Johnson.

I present a tabulated statement of the classes taught by myself during the year closing June 3 1891.

~~Winter~~ ^{Fall} Term.

	Males.	Females.	Total.
Gen. Prep. Arithmetic	24	15	39
Jun. Prep. Algebra	24	17	41
Freshman Algebra Adv.	10	10	20
Sophomore Analytics -	13	9	22
Senior Astronomy	8	3	11 - 133.

Winter Term

Arithmetic	19	7	26
Jun Prep Algebra	20	11	31
Sen. Prep Geometry	17	17	34
Freshman Trigonometry	9	12	21
Sophomore Mechanics	13	7	20 - 132

Spring Term

Gen. Prep Arithmetic	13	10	23
" " Book Keeping	4	1	5
Jun. Prep Algebra	14	6	20
Sen. Prep Geometry	15	10	25
Freshman Surveying	5	9	14 - 87.

The classes in Arithmetic and Algebra were too large for the best work during the

first-term. There were at least two quads in the class in Arithmetic and more than one third of the class dropped out during the term. During the year I have taken the class over the whole Subject, including the Metric System.

The Junior Preparatory class have gone over the Topics in Algebra to the chapter on General Series.

The Senior Preparatory have completed Plane Geometry, and taken one book in Solid Geometry.

The Freshman class in Algebra, studied General Series Logarithms, Permutations, and the General Theory of Equations the first-term, and also the last two books in Solid Geometry.

The second term they completed Plane & Spherical Trigonometry, Mensuration Surveying, Railroading, and a few lessons in Navigation, have interrupted the class this last term. The young ladies have voluntarily done a great deal of practical work, both of field and office work.

During the Fall Term the Sophomore class did a good deal of hard work on Olney's General Geometry and Calculus, dividing the term about equally between the Conic Sections and the Calculus.

The winter term was spent on Peck's Mechanics which they nearly completed.

The Senior class during the long fall term were able to complete the large work in Astronomy by Prof. Peckham. Each one also wrote an excellent essay or paper ~~on~~ on a special topic assigned by their instructor.

In teaching Mathematics I endeavor to unite the disciplinary and the Practical. Better results would be reached had we more works of reference, and more instruments.

As a rule my pupils have been earnest and faithful. I review the work of the year with satisfaction. It has been a pleasant year of service. It has been a year of good feeling in the school. This may be attributed to the wise management of the Executive and to the courteous treatment which both students and faculty have received from him.

Yours

As a part of my work, is the supervision and management of the farm of about 400 acres still belonging to the College. I will briefly state what has been done during the year.

Last fall, I had removed about 275-2000 of old hedge, which occupied a large

field. This was done at an expense of \$53.40
 I also had sowed 27 acres of wheat and
 24 acres of English Blue Grass, at an
 expense of \$153.45; of which sum \$57.13
 was paid for seed.

Both crops look well now, and I trust
 that the venture may be profitable to the
 University.

This last spring I have sowed 10 acres of
 oats, and seeded the wheat-ground
 to Timothy and Clover.

The growing crops on the farm are
 wheat - 27 acres Oats 10 acres. English
 Blue Grass 24 acres. Grass about 60 acres.
 all of which I must harvest this sum-
 mer. There are about 20 acres planted
 to corn, of which crop the University
 will receive $\frac{1}{3}$ of the crop. About 15 acres
 of the land is rented for small fruits at
 \$5⁰⁰ per acre.

The pasture is rented for the season - 6 mos.
 for \$600⁰⁰. About \$20⁰⁰ has been received
 this spring from the sale of stone
 from the quarry. Wood has been sold
 to the amount of about \$40⁰⁰.

I have paid out this spring for ^{Gardening} ~~plowing~~
 oat ground, and part of campus \$251.32
 for 40 days labor at 1,25⁰⁰ 50⁰⁰
 for seed oats & clover 30⁰⁰
 \$105.32

Improvements.

For some years I have urged that our beautiful and spacious Campus - 38 acres - should be laid out by an experienced & competent - park engineer or Landscape Gardener. This should be done. Plantations of trees and buildings and Tennis Courts & etc. could then all be properly located, and permanently.

Thinking that it would enhance the value of the lots yet belonging to the University I decided some two years ago to plant two rows of trees on each side of the 80 feet - streets extending through the University addition, and began to make preparation for it. We now have about 600 elm trees growing in a Nursery. About 350 of the largest were set out this spring on Sycamore and Mulberry streets, and ^{the remainder} ~~they~~ will be large enough next spring to complete the work. The ground should be prepared this season.

The streets surrounding the Campus will be graded by the City as soon as the weather will allow it to be done. During the summer the ground about the new buildings should be graded

and prepared for sowing to Blue Grass
 next September. Walks connecting
 the buildings must be constructed,
 and the drives commenced must
 be completed. The old building will need
 some repairs. Will you please call the
 attention of the Board to these various
 topics, viz. The Laying out of the campus,
 The Tree plantations on the streets
 The Drives and walks,
 The Finishing up of the Old Building
 The Grading of the Campus
 already planned.

In view of the fact that as much
 class room work is done by myself as
 by any other member of the Faculty
 it would seem that some compensa-
 tion above what is paid the average
 professor should be allowed for this
 additional work.

Respectfully Submitted,

M. L. Ward

May 26th 1891

Prof. Woods' report
to Pres. Johnson.

Prof. Ward

OTTAWA UNIVERSITY.

MATHEMATICAL DEPARTMENT.

M. L. Ward.

Ottawa, Kansas 189.....

To President - Franklin Johnson;

Permit me to present a brief report of my work in, and for Ottawa University, during the past year.

I have taught five classes in Mathematics every school day during the year. All of the students enrolled during the year on the Colleg. Books with the exception of the Junior Collegiate, Literary & Classical & a few special students, have also been enrolled on my classbook. As a rule good work has been done and done cheerfully.

I should make a correction in the first statement. I was absent three days during the year, two days as a delegate to the Miami Association, and one day on a trip to Wabensau Co. to look after the rents of the Slocumb Estate.

I have attended nearly every Faculty meeting, and taken my turn in conducting chapel exercises.

During the year I have sent out about 100 catalogues, and written between 400 & 500 letters that have been answers to letters on various

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Matters connected with the College.

I have also had charge of the Farm and Campus. During the summer the crop from about 100 acres was gathered. Twenty five acres of wheat being cut with the cradle, because the land was too soft for a reaper. The care of the College farm and the grading of the Campus have required a great deal of time and work, not only during vacation, but through the whole year. For this work, it seems to me I should receive some compensation.

The net income from the farm last year was about \$890.⁰⁰. If nothing unforeseen prevents it will be as much for the year to come.

Itemized statements of Receipts and Disbursements have been filed with the Secretary, and all monies received have been turned over to him.

As executor of the Stewarts estate, I would report all claims ^{outside of those of the College} settled. Permission has been given by the Probate Judge, to publish final notice.

Regretting that your duty seems to call you to work in another field, I shall always remember with pleasure your work here.

Yours Sincerely M. L. Ward.