

Report of
Prof Charlton

1890 - 91

Report, 1890-91.

Ottawa University

Ottawa, Kansas, May 29, 1891

Dr. Franklin Johnson,

President

Dear Sir: My classroom
work for the past year
has been as follows:-

First Term,

Gen. Prep. Physiology,
Walke's,

29

Sen. Prep. Physics,

Gage's Elements,

18

Freshman & Junior Chemistry

Remsen's "Brief Course" 13,

Sophomore Zoology,

Laboratory & Reference Work,

7

Junior Physiology, 4 hrs a week,

Martin's Human Bod. Adv.,

6.

Second Term,

Jun. Prep. Physical Geography,
Appleton's 22

Sen. Prep. Physics, 1st Half Term.
Gage's Elements, 14

Sen. Prep. Botany, 2nd Half Term.
Gray's Lessons & Manual, 4

Freshman Qualitative Chemistry
Noyes' 7

Sophomore Zoology,
(^{or Septuag.})
Laboratory & Dictation 6

Junior Physics, 4 hrs. a week,
Deschanel's Heat, 6

Senior Geology, 2 hrs. a week,
Le Corollé's Elements, 11

Third Term,

Jun. Prep. Physical Geog. 5 weeks.	
Appletons,	13
Jun. Prep. Zoology, 6 weeks.	
Laboratory & Dictation	13
Sen. Prep. ^{2nd} & Sophomore Botany	
Gray's Lessons & Manual	9
Lectures on Physiological Bot.	'
Freshman Zoology.	
Packard. "Briefer Course"	4
Junior Physics	
Deschanel's Electricity	5
Senior Geology. 3 hrs a week	
LeConte's Elements,	11.

I have not heretofore found it satisfactory to have the Gen. Prep. students devote a full term to Zoology as indicated in the catalogues of the past three years. I therefore think the plan pursued this year of finishing Physical Geography and giving a few weeks to ~~this special department~~ one of its divisions, Zoology, will be the best one for students of the Scientific Course hereafter. Recent changes in the course of study make this practicable.

In much of the Botany work the Sophomore and Gen. Preparatory classes have been taught as one class. None of the Sophomores in Botany had previously studied the subject. Considerable work has been done in Physiological Botany, much more than during any preceding year.

The Freshman Scientific students in Zoology have

from the first done laboratory work chiefly on Protozoa, Hydroids, Echinoderms and the lobster. It is intended to continue this plan of work during the next two terms, perhaps beginning work in the fall with insects.

We very greatly need some special works on Zoology. To illustrate, the college does not own one special work on insects outside U. S. Govt. publications and of these most valuable in Zoology it has very few. As these can be but gradually provided the most valuable additions now at practicable would probably include

One Leitz Microscope

One Photographic camera.

One Calcium light apparatus.

With a good photographic outfit and our identification given us by Mrs. Milvane.

many slides could be prepared for the projection of microscopic objects and others of scientific interest. In addition to the above an order for suitable material for laboratory work should now be placed at some sea-side laboratory where typical forms are collected and preserved for sale.

The Museum.

After Commencement last summer I spent over two weeks in work needed in my department, chiefly in classifying specimens and arranging them for display and use. Some valuable additions have been made to our collections, those obtained from Rev. W. R. Mauley being worthy of special mention.

It is to be hoped that suitable quarters may be

assigned the Museum and the scientific work in the new building. For five years the scientific work has been more or less hampered or thwarted by the unfavorable conditions of that old basement. A year ago last summer ^{during my absence} it seemed that everything in my rooms that could mold or rust did so. Last summer once or twice a week I built a fire in the stove and ventilated thoroughly to prevent the dampness doing much harm.

The wind carries quantities of dirt into the rooms depositing it on everything unprotected by glass. The use of stoves in heating occasions dirt. And this dirt entails much work on instructor and students, as no provision has yet been made for the extra janitor

work needed. Science rooms should be heated in some way that will not introduce dirt.

Other Work.

In August last I made one trip of eight days in the interests of the college, visiting Eureka and Ft Scott and intermediate places.

Needs, and materials

Some of the apparatus, most needed in the science work are here named. Whatever provision the Board can make for this will be appreciated.

1. Spectroscope.

2. Thermopile galvanometer.

3. Chemical Balance.

4. One Leitz Microscope

5. Calcium light attachment to lantern.

6. Photographic camera.

7. Minerals for blowpipe work.

8. Museum cases.

And provision for special janitor work

Whatever can be done for
the Scientific work should
be planned quite soon,
so that everything may
be in readiness for
work by September.

Respectfully,

O. C. Charlton,

Prof. of Natural Sciences,