

The Eagle.

Agricultural College, Michigan.

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COLLEGE AND STUDENT NEWS.

R. C. Bradley has been commissioned a Notary Public.

Prof. Taft left Tuesday for the World's Fair. He will remain only a few days.

The big Abyssinia banana concluded that the Green house was not large enough, and one of the large leaves forced its way through the top.

Last Monday the Veterinary Class assisted by Dr. Grange removed a large tumor from the shoulder of a horse belonging to A. Clark of Lansing. At last report the patient was doing well.

The committee on music for the Union Meeting wish to express their thanks to Mr. L. A. Baker of Lansing, who for scarcely more than the drayage furnished a beautiful new piano for the entertainment.

The Horticultural Department are revising the list of different fruits of Michigan. A list of fruit is sent to from two to twelve different people in each county, who mark them according to their value in that place, and then return them to the College. In this way the average value of different fruits is obtained. This list will be used as a bulletin, in the Michigan Horticultural report, and in the Department of Pomology Washington, D. C.

NEWS OF THE ALUMNI.

Dr. Ned Mayo, '88, Prof. of Veterinary of the Kansas Agricultural College, visited his Alma Mater for a few days.

L. H. Dewey, '88, Assistant in the Botanical Department at Washington, will spend commencement at the College.

Prof. L. C. Colburn, '88, Prof. of Mechanics at Laramie, Wyoming. will spend a few weeks of his vacation at the College.

Chas. W. McCurdy, '81, has left us for a short stay in the east. It is rumored that he is shortly to be married to a Winona, Wis. lady. If true he has our congratulations.

Hiram T. French, '85, and wife, '87, made their friends on the grounds a short call the first of the week. Mr. French is at present Prof. of Agriculture and Agriculturist of the Oregon Station at Corvallis, Oregon.

A great many of the alumni, especially those in the far west regret that the alumni reunion is to be held next year instead of this, for as they come to Chicago to visit the World's Fair it would take much less effort to come on to the College now, than to make another trip east next year.

Glass House Experiments in Agricultural Chemis- try for 1893.

The plants were grown in pots filled with sand washed free from nitrogen compounds, shielded from rain and dew, and watered with distilled water. Mineral matter was supplied in the form of wood ashes, phosphate of lime, and sulphate of potash. The object of the experiment was to find the capacity of different plants to supply themselves with nitrogen in the absence of combined nitrogen.

The seeding with soil extract to furnish microbes for the development of tubercles on the roots of the plants had little effect as the unwashed sand still contained an abundance of microbes, for tubercles developed as freely in pots not seeded as those seeded. The lupines, peas and beans have been taken up and examined and will be analyzed. The peas grew to the height of $3\frac{1}{2}$ to 4 feet, and had many pods filled with peas and seemed to be as well developed as peas in garden soil. The 18 plants nearly dry weighed six ounces. The roots of all these plants had an abundance of tubercles except one vine which had only one tubercle and one pod with one pea. The vine was only a foot long. The nine bean plants in 3 pots had 45 pods with well developed beans in most of them and seemed as vigorous as plants of the same age grown in the garden. The 9 plants in the fresh stage weighed 12 ounces. The lupines did not make as good growth as the peas and beans. The plants in one pot did not have tubercles on their roots, and died before flowering. Three wheat plants grown in one of the pots weighed when nearly dry a little more than a quarter of an ounce. The

red clover and the remaining wheat plants are left for more complete growth. The class in agricultural chemistry have watched the experiments with deep interest.

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While we will sadly miss President Clute and his delightful family, as they go from our midst before the opening of next term, we wish to congratulate them on the prospect of congenial work, and a delightful home in that country of fabled paradise, which induced Ponce de Leon to search so earnestly for the fountain of youth and beauty. May they be more successful than he, and find among the marvelous blossoms, and crystal fountains, that elixir which will bring to them the golden fruitage of happiness, long life and prosperity.

Florida's Agricultural College has secured Pres't Clute.

Some weeks ago General Lee, President of the Mississippi Agricultural College, suggested to President Clute that a Director was needed for the Experiment Station in Florida. This led to correspondence with the Secretary of

the Florida regents, and to President Clute's name going before the regents as a candidate for the Directorship. On the 11th of July President Clute was surprised to receive a telegram saying that he had been chosen to the Presidency of the Florida Agricultural College, and to the Directorship of the Station also. As he had not desired the double office and responsibility he hesitated about accepting, but he is assured by the regents of their hearty support and of that of the faculty, and that the management of both College and Station will be so fully in his hands as to enable him to control the policy of both. He has therefore accepted, and will enter upon duty Sept 1st.

It has long been his desire to make a home in the South or South West, hence in going to Florida he follows his inclinations. The field there offers many opportunities for work both in education and experimentation, with the support of a board of regents made up of progressive men of broad business methods he hopes to aid in the educational and agricultural growth of Florida.

MORE LOCAL NEWS.

Norman Edwards has the mumps.

A number of the bicycle riders enjoyed a moonlight ride Wednesday evening.

After all of the bluster and flurry of the elements Tuesday we only got but .06 of an inch of much needed rain.

President Clute will speak in chapel at 8:30 a.m. on Sunday on "Some Scientific Evidences of Immortality." Rev. A. T. Luther will preach in the afternoon.

Prof. and Mrs. Durand left their many friends here last Wednesday evening for a look at the Great Fair. They are among the number of our lost neighbors who are welcomed back to every household.

Don't forget the interesting program at the Natural History Society this evening. Dr. Grange speaks of "The Pony in College and out", and Mr. Colburn, '88, of Wyoming, of "Catching the Antelope."

A snow plant from the Sierra Nevada Mountains in California has been re-

ceived by the botanical department. This curious plant springs up close to the snow line and is a conspicuous object in that region.

Tennis Tournament.

Last Wednesday afternoon in answer to a challenge from the Lansing Tennis Club, Messrs. Cook and Thurtell of M. A. C. played a tournament with Baker and Hickey of the Lansing Club.

The Lansing men had the late ball game so impressed upon their minds that "three baggers and home runs" were as thick as the pretty girls that lined the edge of the court and cheered their heavy (?) work.

Owing to this inclination to knock the ball out of the box, and a decided proclivity to put it into the net, and their inability to get their eye on a speedy return, they were defeated by a score of four to one.

Score by sets: 6-3, 4-6, 6-3, 6-3.

The return tournament will be played next Tuesday at 4:30 p.m. on the Howard Terrace tennis court.

A New Celery Enemy.

The Zoological department received on each of four successive days of the past week a new insect enemy of the celery which is creating much alarm in the southern part of the state. This is the the common negro bug, an insect which so mimics beetles, that many of our students place it among beetles in their collections. Its technical name is *Corimelaena pulicaria*. It has often been observed to attack raspberries and strawberries, but this is a new role of mischief. Several of our old insects are learning that celery is good, and the cultivators of this vegetable are not long to have the smooth sailing of the past. Mr. Davis spent the first of this week at Tecumseh investigating the ravages of the negro bug. He is preparing and will soon issue a bulletin on insects investing celery.

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SHOP NOTES.

The wood-shop has just completed the patterns for the new key-seating machine. They are well worthy a careful inspection.

Prof. VanDervoort is designing a new thirty-inch boring machine to be built in the shops. It will be the next heavy machine to take the floor after the new fifty horse-power engine is completed.

Owing to the non-action of the Board work on the new foundry has not been commenced. It will be impossible to have it running next term, but it is hoped that its building will be authorized at the next meeting of the Board, in which case it will be ready for the students by the opening of the spring term.

Michigan Flora.

The Flora of Michigan is constantly changing by the introduction of new plants. Teachers, farmers and others are constantly sending in new specimens for identification. In this way, as well as by personal observation of the botanists of this institution, the new arrivals are recorded. Besides this, new locations for rare plants are often found. Notes are rapidly accumulating for a revised edition of the Michigan Flora. Prominent among the botanists of the state who have recently furnished important items of the nature referred to are:

C. K. Dodge,	Port Huron.
S. H. Camp,	Jackson.
H. D. Thompson,	Traverse City.
W. W. Wier,	Frankfort.

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