

The Eagle.

Agricultural College, Michigan.

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COLLEGE AND STUDENT NEWS.

Prof. and Mrs. Cook are in Owasso.

J. N. Estabrook is spending the week at his home in Saginaw.

Dr. Willis, '81, gave a hurried glance at the College, Monday.

Mobs are as objectionable on the College grounds as at Corruna.

A. N. Bateman, '92, made the college a call Wednesday forenoon.

A large number of our students went to Jackson to participate in the sports.

Secretary Reynolds has been feeling poorly for the past week and will not return from Chicago until next week.

An inch of rain on Thursday afternoon and a drizzling rain Friday morning give proof that Field Day is at hand.

Mr. Coryell went to his home at Jonesville Mich. the first of the week on account of the illness of his father.

Negatives of our college views were recently sent to the Department of Agriculture, Washington, from which to prepare lantern slides to illustrate lectures on agricultural colleges.

Mr. Ward of New York, a traveling teacher in glass working, spent last Saturday afternoon giving the Chemical and Physical Departments some instructions in cutting, boring, welding, and blowing glass.

Field Day.

Nothing But Mud and a Ball Game.

JACKSON, MICH., June 1st, (Special)—Mud knee deep. Everything postponed until tomorrow.

JACKSON, MICH., June 2nd, (Special)—Mud bad. Only event, ball game—Olivet 11 and Normal 6.

Mechanical Department.

The last Legislature has provided money for the equipment of a foundry plant. At present the students go over the entire theoretical work relating to design and construction of machinery. They learn how drawings should be made and in the wood shops how to make patterns, while in the iron shops they elaborate the castings into the complete machine. The link connecting the pattern with the casting is, for the lack of a foundry, omitted, and its addition is at the present time the most pressing need in the equipment. The intention is to furnish the theoretical groundwork in mathematics, mechanics, steam engineering, and electrical engineering, for a well equipped mechanical engineer. In addition, the work in the shops under careful supervision and with the students' natural interest in their work, provides sufficient manual skill to be considered, after completing the course, as the equals of the average journeyman machinist. The aim is to constantly improve the quality of their work and to impress upon them the necessity of the utmost care and accuracy relative to the work intrusted to them.

The Glass House And What It Contains.

Twenty-five crocks filled with purified sand to which a small amount of wood ashes and superphosphate has been added have been planted with experimental plants as follows: five each of Lupins, Clawson wheat, red clover, peas and beans. Three crocks in each series have been seeded by soil extract, secured by shaking two pounds of soil in which peas had grown last year, and one pound from a clover patch with three quarts of water, the whole allowed to stand till the soil had settled, when twenty-five cubic centimetres of this soil extract (or about a table spoonful) were poured on each crock, two crocks in each series being left without this soil extract. These crocks are mounted on a car to afford easy passage into the glass house at night and during storms and into open air in fair weather. The Juniors have named the whole the "Car of Progress," and watch results with interest.

Olivet News.

The ball game between Olivet and Albion last Saturday at Olivet, resulted in a score of 15 to 12 in favor of Albion.

A new flag pole 130ft in height was raised on Olivet's campus last Saturday. On Decoration Day the flag was raised, Gov. Rich addressed a large crowd, speeches by others, and fine music, added much to the enjoyment of the occasion.

The last Olivet College "Echo" contains a page on which are pictures of all the class of '93, from photographs taken when they were infants. It certainly is a change in the line of senior class pictures, and affords considerable amusement.

Rumors.

About June 30th Secretary Reynolds and family expect to go to Old Mission for a month, then to Riverside, Ill., from there they expect to go to southern California, where Secretary Reynolds will probably invest in Fruit lands. About August 30th President Clute and family will probably go to Las Cruces, New Mexico, where President Clute is to be interested in mining prospects. About November 30th Prof. Cook and family will start for their new home in Pasadena, California.

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We would call special attention to the notice in another column of the coming visit of Miss Benfey. No one who has ever had the pleasure of listening to this lady will fail to make every plan to hear her June 16th. She possesses a rare talent, and will give great pleasure to her audience.

The Dynamometer.

A study of the curves and data obtained from a series of experiments with the dynamometer designed by Prof. VanDervoort reveals the following interesting and, in some cases, somewhat surprising results: 1st, the pressure on the point of a cutting tool decreases as the speed of the cut, in feet per minute, increases. This was

clearly shown in the following manner. A series of runs were made with the same feed and depth of cut. The speed of cut was varied from 3.5 to 48 feet per minute, the pressure falling from 620 pounds at the first speed to 530 at the last. 2nd, the pressure on the tool is practically constant for the same cut regardless of the diameter of the work. 3rd, the pressure is for the same depth of cut and rate of speed independent of the length of the cutting edge of the tool. 4th, the pressure does not increase directly with the depth of cut, feed and speed the same. 5th, coarse feeds on light cuts will remove more metal per hour per foot-pounds utilized than fine feeds on deep cuts, other conditions being equal. For a cut in steel 1-6 of an inch deep with a feed of 0.143 of an inch per revolution, the pressure on the point of the tool was, at a cutting speed of 14 feet per minute, 610 pounds. The highest pressure recorded was 1850 pounds.

The Mummified Horse.

L. A. Clinton writes with enthusiasm of the wonders of the World's Fair.

The mummified horse prepared for the college educational exhibit and the one prepared for the collective college and experiment station exhibit, have proved too odorous, and have been cremated. They have left a fragrant memory.

In addition to the college photographs in our educational exhibit, collections of our photographs have been furnished to the Michigan state building, to the exhibit of the Bureau of Education, Washington, and to the collective college and experiment station exhibit.

Call at room 31, and see those note books. Ruled, 225 pages, cloth cover 35cts. Unruled, 225 pages, cloth cover 30cts. Also fountain pens for sale. John Holland fountain pens \$1.75.

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AT THE WORLD'S FAIR.

(Special Correspondence.)

Michigan people will find the Michigan building a pleasant place to rest and a convenient headquarters for receiving mail, checking parcels etc., while at the fair.

One of the most interesting exhibits in the Manufacturer's building is that of Switzerland. It is located at the south end of the famous centre aisle or Columbian avenue. The exhibit itself consists of a high screen on two sides, covered with large and realistic paintings of famous Swiss scenery. The floor space is occupied with a display of the finest and largest collection of wood carvings exhibited in any department. Fine watches and jewelry occupy a conspicuous place. They pride themselves especially on fine workmanship and skill in making very small watches. Perfect time-pieces may be seen here, employed as sets for rings, brooches, bracelets, and even watch charms. The Austrian exhibit contains two rooms modeled after the Bavarian king's palace and furnished with the king's own furniture. The walls are decorated with rich tapestries and paintings; the furniture is beautifully upholstered on a frame of gold. It is interesting as exhibiting some of the splendors of court life, but to the democratic mind of the average American, it is rather too "rich."

Miss Benfey is Coming.

It is rare that we have the privilege of hearing first-class artists at the College. Miss Ida Benfey, who is now making her second western tour in the season of 1893 and who stands among the first in New York City, will give her wonderful rendition of George Elliot's great work—Adam Bede—in the college chapel on the evening of June 16th. The Feronian Society is to be thanked for this prospective treat.

⇒ Complete line of Sweaters in Black, White, and Tan at 3.00 and 4.00. Wool bicycle hose with linen feet are the kind to buy, and only cost a trifle more than cotton.

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NEWS OF THE ALUMNI.

W. F. Staley, '88, takes the Masters Degree in the Law Department of Georgetown University, June 5th.

V. H. Lowe, '91, with the Liby Glass Co, Midway Palisance, Chicago stopped at the College Thursday on his way to L——.

The Kewanee Star, edited by Will Curtis, '89, comes to our table with an entirely new dress. The *Star* is certainly a credit to its worthy editor.

E. A. Holden, '89, who is an assistant in the office of Superintendent of Public Instruction, was married yesterday at Lake Ann, to Miss Pratt of that place. The EAGLE extends hearty congratulations.

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