

Course 5 in German will be offered the second semester.

The engineering society will have one of its pictures hung in the mechanical library.

The new Westinghouse air brake was tested last week and found to be perfect in every respect.

The steam laboratory is now in working order. All apparatus has been installed and tested.

It is rumored that the juniors purchased a hundred tin horns last week and that something will "drop" before long.

At Powell's Billiard and Pool Parlor you can find first class entertainment free from all saloon influences. 146 S. 11th.

J. T. Franey has returned to the university after a years absence. Mr. Franey has been employed with a commission firm.

Mrs. Shapmann accompanied by Miss Lillie Elche with cello, sang several soprano solos in chapel Friday morning.

If the committee who have charge of the funds for the pipe organ get money enough to finish paying for it before charter day it will be dedicated on that day.

Phi Delta Phi initiated Messrs. Wilson, Pinkerton, Drain, Gordon, Fradenburg, Butler, Booth, Clapp, Lau, Cuscadden, Stark, and Laxon on last Thursday evening.

Mr. Park, a graduate of Rury College, Missouri, and McMickael U. of N. have registered at the university to take post work in the American history department.

Professor Moore of the department of physics gave the results of his summer's investigation upon "The Hydrolysis of Ferric Chloride" at the physics colloquium last week.

Several of the civil engineering students will go west with the B. & M. surveying parties, which are being constantly sent out to the new road in course of construction in the northwest.

Professor Lawrence DeGraff of the Highland Park college of law, visited at the Sigma Chi house Friday. He is manager of the Highland Park base ball team and came to arrange for a game.

A. B. Lyon '95 who spent four years in the south studying the negro question, spoke to Professor Caldwell and Mr. Persingers history classes last Friday afternoon on Southern Negro of To-day.

An alumni committee of the Y. M. C. A. has been appointed for the purpose of co-operation in developing the financial part and of keeping in touch with the association. The committee consists of H. G. Shedd, Clark Oberles, Roscoe Thatcher, R. S. Hunt.

The engineering society met Wednesday evening. The following program was given: Experiences at Sherman Hill, Wyoming, C. E. Reed; Niagara Falls power development, Adolph Shane; Reviews of Engineering News, Jas. Green and S. C. Campbell.

Professors and assistants were made honorary members of the society.

University Books at Osborn's Old Book Store. 131 N. 12th.

The officers of the battalion were photographed yesterday afternoon at Townsend's.

The preliminary program of the National Educational Association to be held in Detroit July 8-12 has been received at the university. Among those who will participate are Supt. E. C. Cooley, of the Chicago schools; Howard J. Rogers, director of education and social economics at the United States exhibit of the Paris exposition; Supt. J. M. Greenwood, of Kansas City, Mo., and President A. T. Hadley, of Yale.

The Pershing Rifles have adopted a new emblem to be worn on the collar of the blouse. It will be a silver oak leaf suggestive of the rank of Major Pershing. Quite a laugh was caused by the motion of one of the members to have the usual letters P. R. but as they were to proceed the U. N. every one objected to the boarding house horror P. R. U. N. and the leaf was adopted instead.

The debating association held a stormy session Tuesday evening January 22. The question of the apportionment of the debaters for the terms for the various joint debates caused considerable discussion. It has been decided to leave this matter in the hands of the debaters. The Omaha Bee's proposition to run an engraving of the debaters in the Sunday illustrated Bee was accepted.

In Chicago Professor Bessey looked up apparatus for his department. He found a firm able and willing to build apparatus from designs which he will supply. This has been a difficult matter to manage, most firms not being willing to make any other than their own styles of apparatus. The department of botany has had for some time a number of plans of new apparatus which have had to wait for such an opportunity.

Dr. C. E. Bessey spent a good share of his time in Washington in the careful examination of the work of the several botanical divisions in the department of agriculture. Excellent work is now being done in at least half a dozen divisions, employing in the aggregate from twenty-five to thirty trained botanists, where twenty years ago there was but one man who received any attention or support. The secretary of agriculture is much pleased with the results which these botanical workers are bringing out year by year, and it is not too much to say that it is largely due to them that the scientific world today holds the department in such high regard.

On last Friday occurred the first spell-down in the women's gymnasium classes. Each class has its own spell-down in facings, marching and Swedish drill. The winners in the different classes will compete with each other to see who is the best out of the three first year classes. In the nine o'clock class Miss Abba Bowen stood up the longest and Miss Arta Kocken second. In the ten twenty class, Miss Lillian Robison first and Miss Elva Walker, second. In the two thirty class Miss Grace Roberts first and Misses Nella Schlesinger, Edith Craig and Laura Hunt second, all missing on the same movement. These eight girls will compete in the near future for championship. In marching the best set of fours from each class will compete.

## The University of Minnesota

### College of Medicine and Surgery.....

The thirteenth Annual Course of Lectures will commence on the 19th day of September, 1900, and will continue eight and one-half months. The course is graded and covers a period of four years. Medical Hall, the Laboratory of Medical Science, the Laboratory of Medical Chemistry, and the Laboratory of Anatomy are situated upon the Campus. The clinical opportunities afforded by the hospitals and dispensaries of Minneapolis and St. Paul are at the command of the College. For outdoor clinical service a new clinical building has been built in a central location.

For information address,

**DR. PARKS RITCHIE,**  
DEAN UNIVERSITY OF MINNESOTA.

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**WILLARD KIMBALL,**

Director.

A valuable addition has been made to the botanical department in the shape of what will be called a "centrifugal machine."

This machine was first spoken of by Dr. Bessey, and plans were submitted to him by Mr. P. J. O'Gara, who afterward was put in charge of the construction.

The purpose of the invention is for determining and showing the effect of a force similar to gravity which acts upon growing plants.

The machine proper is kept in motion by a hot air engine which came from Germany three years ago, but has never been put in use. Special gas and water connections have been made for the engine, which is capable of supplying fifteen-horse power. So complete is the engine that it will run night and day without attention. The speed can also be kept constant.

The fly wheel of the centrifugal machine is somewhat over three feet in width and will be connected with the engine by a belt.

By these means an entire plant in a

50 YEARS' EXPERIENCE

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pot can be whirled for an indefinite length of time, until the proper results can be obtained.

The complete machine has been the product of the university mechanical engineering departments, and the parts are considered very fine.

The department is particularly pleased with the machine as it thought it is the only one in existence.