Experiments in Road Construction.

Prof. Taft is experimenting on a small scale in working out a State road between the hospital and Backus Cottage to test several methods of country road construction. The experimental road is divided into five sections, each illustrating a different method of road construction. In the first the soil is bound with clay then covered with sand, in the second, a layer of clay is covered with gravel; in the third, a layer of cobble stone is bound with clay then covered with sand; in the fourth, cobble stone are covered with crushed stone, which in turn is bound with a layer of the cement in the fifth. The crushed stone is spread over the original sand foundation and then bound with a layer of earth. While experiments for the next two years, it is now completed, the workman encountered the water-stopped concrete planks over which lumber was laid, and soon found many of them in an excellent state of preservation.

A Good Game at Olivet.

M. A. C. went down to defeat at Olivet, in a game characterized by brilliant footing of the ball and occasional spurts of good team work on the part of M. A. C., and by constant pressure on the part of Olivet. Olivet, occasional long runs around the ends, with good interference, were responsible for most of our gains, while persistent and fierce ploughs through our line netted the most ground for Olivet. The writer has never seen before a team make such constant use of its tactics as did Olivet in Saturday's game.

The game was opened by Olivet's kicking to our 20-yard line. Four plays later, Russell dropped the ball into Olivet's territory, but a fumble gave it to our opponents, who quickly rushed the ball over the goal. Here a trial for goal from field failed. It was followed by a fumble, but a penalty award of 5 yards gave our team a second chance to kick, which Russell blocked nicely. The ball rolled out on clear ground and in a trice "Casey" ran back to receive the ball. His attempt to kick goal, however, was thwarted by interference, dodged two Olivet backs as did Olivet in Saturday's game. The resignation of D. J. Crosby as counselor in English was accepted, effective Jan. 1, 1900. Crosby gives up teaching in order to take up post graduate studies, but will continue to do editorial work on the M. A. C. Review.

A matter of considerable interest to young women and to agricultural students in the province made by the Board for additional senior elective courses in bacteriology. As the number of elective courses has increased, new fields of study have opened up farmers' institute in March. The election of Miss Belle Crowe to the office of "Bachelor of Science. He sub-

Miss Blunt, Miss Keller and seven other women, who were all members of the women's building, was held at the Hotel Downey on Thursday evening and Friday forenoon of last week. The members present were Carrie Allen, Marsh, Mrs. Snyder and Secy. Bird.

The support of the Board of Corrections and Charities, recommending certain minor changes in the plans for ventilation and heating in the new women's building, was received and referred to the committee on buildings with power to act. Matters concerning the Upper Peninsula experiment station were put in the hands of Director Smith and the experiment station council.

The November sessions of the Board of Agriculture will be held at the Hotel Downey on Thursday evening and Friday forenoon of next week. The members present were: J. B. Budge, Sturgis; E. E. Thomas, Battle Creek; J. H. Allen, Marsh, Pres. Snyder and Secy. Bird.

Not Enough Horse.

L. S. Monson '97 is enjoying his work in W. S. P. from a quotation that we make from a recent letter from him, he has not lost appetite because of homesickness.

"My work here is going along very nicely. Have a very pleasant campus and have time for some other work. Thus far have had quite a variety of work and expect soon to have a change from work on metals to work on animal fats. Today we received a barrel of horse meat from an inspector in New Jersey. The division is trying to establish some means of detecting horse meat when used as a substitute for beef. I have been working over the stuff all the afternoon, and hope to have some work with it later. This lot came from Wyoming, and we expect to get a regular business of killing and selling once the days are cooler and we can sell our carcasses to Norway as human food. I wanted very much to have a meal out of what came in today, but the supply was not large enough at all."

Apple Rust.

The meeting of the Botanical Club took place last week. Prof. M. G. Bradford spoke on "Apple Rust." He begins by saying that this rust consists of two distinct forms found on two different plants, namely, the rowan and the red cedar. The rowan develops by means of spores. The spores of the form found on the apple will develop only on the rowan and are more in the form of a minute spore. The red cedar often affects the fruit as well as the leaves of the apple, but is only destructive where red cedar is found in abundance.

Under observations, Prof. Wheeler stated that, if the warm weather continued much longer, the fruit buds were likely to become injured by the rust. Dr. Allen spoke of the importance of the apple rust in Australia, where there is a foreign apple rust which is very destructive. The rust affects the young leaves, and if the apple is infected, it will develop only on the rowan and on the red cedar. The red cedar is found in abundance in the coastal region, and the rust is likely to develop there. The rust is likely to develop on the apple in the coastal region, and the rust is likely to develop there.
rather high. A lot 25 x 100 feet city, so the desirable property is of about 20,000 inhabitants. The real estate men and other busi­ness for coal, food, ammunition, mater­ials. The general plans for the war­ship are laid down in Washington, and at each yard where ships are be­ing built there is located a naval con­struction officer who looks after the detail construction. A drawing (finished plan) is made of each part of the ship. These drawings are photog­raphed and the photographs kept with the ship, so that if anything goes wrong they have a chance to guide them in repairing. Each government draftsman is assigned a certain part of the ship to look after. He also visits the yards where the ships are being built to see how they are progressing, and if they are a caution,—can do more than they are a caution,—can do more.

In the merchant class, they have undertaken another direction, two passenger steamers for the Pacific Mail Co. I think these are 525 feet long. They are just started on the ways. There are also two passenger steamers for the Cromwell line, New York to New Orleans, one of which is still on the ways, to be launched in about a month. The other was launched last week.

They have nearly completed the last of the Morgan line freighters, which consisted of four ships and a tender. The last of the four New York and Gulf ports. They sold their old ships to the govern­ment.

This yard is one of the largest in the world. It has two for 13-inch guns and two for 6-inch guns, mounted on top of the 13-inch ones. The 13-inch guns are weighed down by the weight of the last of the fiber slings, the foam of the champagne on the side of the ship, and the ice in the water, floating with the tide. The most interesting feature of this yard is the making of battleships, of which there are five under construction. The moni­tor "Arkansas" and battleship "Mis­ souri" are almost finished. The "Miss­ouri" is just started, will be finished in about two years. "Missour" is a sister to the "New Maine." They are a full-fledged "battleship" class and "battleship" "Missour" and "Kentucky" are the only ships that, as yet, have gone into commission. The "Kentucky" will go into commission next Thursday. The first boat that will go into commission is the "Kentucky." They accordingly gathered on some adjacent flattops while Mr. Martin pressed the but­ton.

It was a merry and light-hearted crowd that boarded the 2:33 west­bound, and they sadly missed the quieting and restraining in­fluence of the agricultural, as they waited for the train, someone sug­gested that the crowd have its pic­nic. The "Kearsarge" had its official trial about two months ago and received the record of 16.54 knots. Con­tract called for 16 knots.

"Kearsarge" and "Kentucky" are the only ships that, as yet, have complete electrical equipment for human consumption. They are complete with artificial lights, for ventilation, boat cranes and winches. The main battery of three consists of four 32-inch guns and two 12-inch guns and two for 9-inch guns. The 8-inch ones are mounted on top of the 9-inch ones. The secondary battery consists of 5-inch guns, one and six pounds, and rapid fire guns. The "Kentucky" had its official trial about two months ago and received the record of 16.54 knots. Con­tract called for 16 knots.

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NOVEMBER 28, 1899.
THE M. A. C. RECORD

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TWO FLOORS.

FOUR EPITAPHS.

"Deep wisdom—swelled head—
Brain hernia—he's dead.
A Senior."

"False fair one—hope died—
Heart broken—he's dead.
A Junior."

"West skating—he's said—
Floor hit him—he's dead.
A Sophomore."

"Silk fan—complete failure—
Starvation—he's dead.
A Freshman."

—University Quiz.

Lawrence & VanBuren
PRINTING CO.,
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"OAKWOOD"
On Easy Terms—Low Prices.

Buy a lot and we will lend you the money to build a house.

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Buy now while prices are low, Rent of homes alone will pay TEN PER CENT.
NET on the investment.

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After selling this line of men's fine shoes several years, we unhesitatingly claim that they are equal to most $3.50 shoes

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in the world. Made in light, medium and heavy weight from stock selected for its excellent wearing quality, sewed by the welt process—no squeak—smooth inner soles and flexible.

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Leading Grocers and Confectioners.

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333 Washington Ave. S.

College Bus Headquarters.

The Phi Delta Theta and the

Prof. F. S. Kedzie returned last

Miss Pearl Kedzie is expected home this week.

Mrs. A. C. Bird is entertaining

On Saturday afternoon, after all the

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News from Graduates and Former Students.

Dwight C. Sheldon with '93 is practicing law at Belding, Mich.

Charles Holloway with '93 is a window cleaner at Traverse City.

G. S. Rutherford with '93 is superintendent of the Braodstreet Co., Bay City.

W. C. Champion with '93 is working for the Olds Motor Vehicle Co. of Detroit.

W. F. Schmerborn with '93 is in the retail lumber business at Reading, Mich.

Fred B. Phillips with '93 is secretary of the John Phillips Co., Ltd., 35 E. Fort St., Detroit.

Miss Myrtle Mone with '93, this year a student in the medical course at Ann Arbor, visited at M. A. C. Friday and Saturday.

W. H. Parker with '86 is general agent forparex English Mutual Life in western New York, with office at 740 Garanty Building, Buffalo.

Several M. A. C. people have received invitations to attend the wedding of Prof. J. R. McColl '90, who is with Co. of Detroit.

Letter Saturday from his son, Otis, Miss Jennie Biglow, and Miss Maud Briley. Mr. George B. Fuller, Miss Jennie Biglow, and Misses Mina and Jessie Fuller, were Misses Mina and Jessie Fuller, Misses Mamie and Jessie Fuller, were Misses Mina and Jessie Fuller, Misses Mamie and Jessie Fuller, were Misses Mamie and Jessie Fuller, were Misses Mamie and Jessie Fuller, were Misses Mamie and Jessie Fuller, were Misses Mamie and Jessie Fuller, were Misses Mamie and Jessie Fuller, were Misses Mamie and Jessie Fuller, were Misses Mamie and Jessie Fuller, were Misses Mamie and Jessie Fuller, were Misses Mamie and

"What Andy Smith said of Porto Rico being no place for a white man would apply very nicely to this place, only it is a wonder how even the 'niggers' live here. I am heartily sick of it, and have only been here about a month. Everybody expects a big movement and the final round-up soon, and after that our stay in this hole will be short. I wish it would take place soon, for, as I said before, I am sick of the climate and the 'niggers'—say nothing of the centipedes and tarantulas, which are very numerous. We just killed one of the latter that measured over two inches across."

Tom,—Your hair's getting thin.

Dick,—Yes; I've been using anti-

wrinkle. 

BICYCLE and ELECTRICAL SUPPLIES.

Also the largest Repair Shop in Lansing fully equipped with power machinery.

We pay all transportation on wheels to and from College when repairs amount to one dollar or more.

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NOVEMBER 28, 1899

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We have all the latest up-to-date styles and patterns in CLOTHING, CLOTHING, CLOTHING.

We also keep Sweaters, Stockings, Foot-Hall Pads and Socks.

We are glad to see the old men back and will be pleased to have the new men call. Make our store your headquarters while down town, it is a handy place to leave your packages. WE ARE ONE PRICE.

WE SELL FOR CASH ONLY.

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ALL MEATS... May look alike to you, but there is a very great difference in the quality we handle and that sold by some other markets. We handle none but the very best. Like the pudding, the proof of good meats is in the eating. A trial will convince you that we handle and that sold by some other markets.

Don't you think it pays to shop at Davis? Don't forget W. H. Foster, the Black and Livermore. We'll serve you especially solicited.

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Groceries.


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