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THE REGISTRAR, State College, Pennsylvania

Wireless Investigations at State.

The Engineering Experiment Station of this college is conducting some investigations in connection with wireless telegraphy. The experiments are under the personal supervision of Mr. N. H. Slaughter, a member of the Electrical Engineering faculty. Regarding the nature of the experiments, Professor C. L. Kinsloe writes as follows:

"Primarily, the object of these investigations is to make a more comprehensive study than has yet been made, so far as we are aware, of the wireless transmission of messages overland, especially in mountainous countries, and second, the object of our station is to furnish opportunity for experimental work, in this field to the students in electrical engineering at this college.

"At present the sending equipment is of 3 kw. capacity and this and the receiving equipment were manufactured by the Clapp-Eastham Company. The sending transformer is of the closed magnetic circuit type and operates at 60 cycles. At present there is being constructed for use a 5 kv. transformer of the open magnetic circuit type which will be operated at 150 cycles. For the early experiments a temporary antenna has been erected on top of the electrical building which is at present about 90 feet above the ground and is about 100 feet between spreaders. It consists of four No. 10 wires.

"This college is located in a broad valley 1200 feet above sea level and it is surrounded on all sides by numerous mountain ranges which rise to about 1000 feet above the location of the college. It is planned to erect a portable antenna at various points on these mountains and at varying distance from our sending station, and since the topography varies considerably in this district, it is believed that much valuable information can be obtained. Thus far these experiments have been carried to only a limited number of points within six or seven miles of the college, but these distances will be gradually increased. It has been possible so far to receive from a number of outside stations, the most remote being a station at Cape Cod, Mass. It is proposed to erect, at a later day, a permanent antenna of such dimensions, as may be found to be best suited to the purposes and until this is done and the sending capacity is increased, it is hardly expected that much can be accomplished in sending to other stations."

Tennis Team Has Successful Trip.

The Penn State tennis team had a successful trip last week, meeting Grove City college at Grove City on Thursday and Westminster at New Wilmington on Friday. State found Grove City to be especially strong in the doubles. With the score 5-2 against our men in the deciding set of this match, they pulled together and by their indomitable will power won the set 8-6. The final score was State 4, Grove City 0.

On Friday, the State racket handlers won from the Westminster team with exactly the same score that they had defeated Grove City on the previous day. The results

of this match tell the story, it being necessary to play only two sets in each match to decide the winner. The scores follow.

May 18 at Grove City.
Singles—Knerr, State, won from Acker, Grove City, 12-10, 3-6, 8-6. Walton, State, won from Hanna, Grove City, 6-4, 6-2. Schaffer, State, won from Johnson, Grove City, 6-4, 6-2.

Doubles—Knerr and Walton, State, won from Acker and Hanna, Grove City, 8-10, 6-3, 8-6.

May 19 at New Wilmington.
Singles—Knerr, State, won from Moore, Westminster, 6-2, 6-3. Walton, State, won from Cummings, Westminster, 6-4, 6-0. Schaffer, State, won from Coulter, Westminster, 6-1, 6-3.

Doubles—Knerr and Schaffer, State, won from McNaugher and Lormier, Westminster, 6-1, 6-1.

Tennis Match With Penn.

On Saturday, May 27, our tennis team will meet University of Pennsylvania on the Armory courts. This is the first time for a number of years that any attempt has been made to bring tennis teams from other colleges to play here, and we have been particularly fortunate in securing the Penn team for a match. We have usually had to meet Penn on her own grounds and with the exception of the wrestling team which journeyed to State College last year this will be the only Pennsylvania team that has played here for a great many years. For a team which has just been organized, our tennis team has met with wonderful success and certainly deserves the support of every student of Penn State. Victories have been won from Dickinson, St. Johns Gettysburg, Grove City, and Westminster while a tie match was played with the Navy at Annapolis. The members of the team have met with cordial receptions wherever they have gone and have done much to extend the influence of Penn State in this line of sport among the other colleges.

At the present time, owing to the small attendance at the home matches, the tennis department is somewhat behind financially. It would seem, too, from the large number of students who play tennis on the various courts that the matches would be better attended, and yet none of the matches have received the attendance which they deserved. However, on Saturday let us urge every man who can spare the time to be on hand to see the Penn game and help by his support to clear the tennis department of the expense which it has incurred in bringing teams of other colleges to State.

For those who like to see a good game of tennis they can be sure of seeing it on Saturday. Penn has always had very good teams and has had a number of intercollegiate champions. Our team will very likely be composed of Captain Lloyd, Canfield, and Knerr with Walton, Stevenson, Schaffer, Murphy, or Hastings in the fourth position. The match will start promptly at 1.30 p. m. and as there are no other attractions on Saturday afternoon every fellow should consider it his duty to give his support to the new department which has already met with such success.

Tennis Tournaments.

The past three weeks have seen the completion of the five tennis tournaments for the Meek Drug company's medals. Both tournaments have been characterized by exceptionally good playing and a number of promising men have been found through them. The first of the tournaments, the open college singles, was won by Knerr '12 who defeated Cuthbert '11, 6-3, 6-4, in the finals and thus secured the right to challenge D. W. Lloyd for the college championship. In the challenge match, Knerr played a brilliant game and succeeded in taking two sets from Lloyd, giving Lloyd the hardest fight that he has yet had in a college tournament. Lloyd, however, successfully defended his title as college champion.

The second tournament, the interfraternity tournament, was won by D. S. Hastings, Alpha Kappa Delta who defeated Murphy, Sigma Alpha Epsilon, after a hard struggle. Scores 6-3, 3-6, 6-4, 6-1. Hastings who has just entered the college this year plays a steady, persistent game and is the most promising player in the freshman class.

At the present time the interclass and the inter-department tournaments are in progress, the latter being just about finished. On next Monday the doubles for the college championship will be started, and the winners will be awarded the Stevenson Trophy which is now on exhibition at the Meek Drug store. Entries for this tournament will be received up until Sunday evening and must be posted on the sheet at the corner of the Armory. Every student in college is eligible to compete in this tournament and it is hoped that there will be a large number of entries as this will be the last of the series to be played this spring.

Sophomores Continue to Win.

The Sophomores advanced into first place by defeating the Seniors last Saturday. The game sawed throughout the entire seven innings and each inning was hotly contested. The Sophomores rallied in the latter half of the seventh inning and overtook the Seniors' lead of three runs.

Home run, Bowman. Three base hit, Wiggins. Two base hit, Glenn, Bowman, Diehl, Murphy 2. Struck out, by Lentz 2, by Heckinger 2. Base on balls, off Lentz 3, off Heckinger 2. Hit by pitched ball, Vosburg. Umpire, Glavin.

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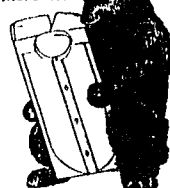
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