

THE STATE COLLEGIAN



VOLUME 7 NUMBER 9

STATE COLLEGE, PA., NOVEMBER 24, 1910

PRICE FIVE CENTS

STATE TACKLES PITT TODAY

Blue and White Faces Hard Proposition on Forbes Field.

PITTSBURGERS ARE CONFIDENT

Natives of Smoky City Fully Expect to See Strong Pitt Team Defeat the State Aggregation. Biggest Crowd in History of Western Pennsylvania Football Expected in Attendance.

Weather conditions permitting, one of the largest crowds that ever witnessed a football game, will journey to Forbes field this afternoon to see the annual State-Pitt gridiron battle.

Supporters of the respective teams feel that the chances are even, and that the final score will not show more than a single touchdown. In spite of the fact that Pitt has not suffered a defeat this season, it must be remembered that they have not had a serious proposition to contend with and their real strength is a practically unknown quantity. Whereas, on the other hand, State has met strong teams in Penn and Villanova and has had the experience of fighting on a foreign field. The quality of football shown by State against Penn and Bucknell was superb and if the same style is exhibited today, the outcome should not be doubtful. The team is in good physical condition and the plays are well executed by the backfield. It is, however, practically impossible to estimate Pitt's comparative strength against us as only one team has played against both the westerners and ourselves.

Early in the season we defeated the Carnegie Tech eleven by the immense score of 61-0 and Pitt recently defeated the same team, 35-0. This shows very little owing to the great lapse of time between the games.

CAPTAIN GRAY'S STATEMENT

Just prior to the team leaving here for Pittsburg, Captain Gray made the following statement:

"There is no question but that Pitt has one of the strongest teams in her football history and will make a big effort to keep her season record clean by defeating us on Thanksgiving day. I fully appreciate the fact that they will give us a fight for every inch of the way but we are going to Pittsburg to win and if determination plays a prominent part in that game Pitt will keenly feel the full power of the State machine."

WHAT COACH HOLLENBACK SAYS

When interviewed, Coach Hollenback was somewhat reticent to give a very expanded statement, but it could be readily seen that he was confident of State's taking the honors. He said:

"The team is in good shape physically and barring unforeseen injuries, it will give a good account of itself against Pitt. The line is strong and the backfield light but fast and the general good spirit among the men is markedly prevalent. I fully expect the team to give Pitt one of the hardest battles she has ever had and all things being equal, we ought to win."

THE STATE LINEUP

Although it has not been definitely decided just what men will line

up for the kickoff, it is highly probable that they will be chosen to fill the positions in the following way.

Left end, Pioletti; left tackle, Harlow, Riddle, left guard, Johnson; center, Watson, Clarke; right guard, Gray, right tackle, Weaver, Keller, right end, Very; quarterback, Miller, right halfback, Engle; left halfback, Barron, Quirk, fullback, Barrett, Workman.

THE WIRELESS STATION.

Now in Process of Erection in the Electrical Extension. Will Be Thoroughly Equipped in Every Detail.

The most important experiment that has ever been undertaken in this college along the line of electrical engineering is the erection of a wireless telegraph station in connection with the Electrical department, on which the work has already been started.

It will no doubt interest many to know that the room for the instruments of the station is located on the second floor of the electrical annex building. The equipment consists of complete sending and receiving services, the former including several types of transformers with both closed and open magnetic circuits. The antenna will be erected on the roof of the Electrical annex and for the present will be about 100 feet above the ground and 110 feet in length. With the completion of the station here, it will place State College in wireless connection with such stations as Washington, Philadelphia and Baltimore. A larger antenna will be built later on when it has been found what height is best suited for receiving and sending messages, thus placing the college in communication on with places much further away.

Those in charge expect to have the station operating this winter. Such an innovation will no doubt be worth while to all interested in wireless telegraphy. It is safe to say that when the station is finished it will be the largest and most complete wireless station in any college in the country.

Borland-Canon.

The marriage of Miss Jessie Canon to Mr. Andrew A. Borland occurred Wednesday, October 12, at the home of the bride's father, Mr. J. C. Canon, in Lake township, Mercer Co. The ceremony was performed by the Rev. G. T. Robinson, of Sugar Grove, in the presence of a small party of relatives. A wedding dinner followed the ceremony, after which the young couple left for the East. They will be at home after November 1, at State College, where Mr. Borland is connected with the faculty of the Pennsylvania State College. They received many fine presents and carry with them to their new home the best wishes of a wide circle of friends.

"Dad" Elliot.

As an advance notice, we wish to call the attention of all men in College to the approaching visit of "Dad" Elliot. The former All-Western End is visiting American colleges and universities through the instrumentality of the various Y. M. C. A. groups, and will come to State on January 3. A rare treat is in store for us, and we should all promise ourselves the pleasure of hearing him often during his visit.

State-Pitt returns in Old Chapel at 2:30 p. m. Everybody out!

MILLING ENGINEERING.

Another New Course Has Been Installed in This Institution Something Very New and Decidedly Practical.

Last year the Pennsylvania Society of Milling Engineers suggested that a course in flour milling engineering be established at the Pennsylvania State College. Partly on the above suggestion such a course was established. The synopsis of the course for the student taking the optional course of Flour Milling Engineering is here given. The course is identical with that of Mechanical Engineering except that certain studies that have no particular bearing or connection with milling engineering are dropped and are substituted by those essential and having to do most with the flour milling industry and their practical applications.

The student in the Freshman year thus takes up Mechanical Drawing and Descriptive Geometry, Freehand Drawing, French or German, Trigonometry, Military Science and Tactics, Composition, Rhetoric, Carpentry, Analytic Geometry and Chemistry.

In the Sophomore year, Chemistry is continued as is Mechanical Drawing and Descriptive Geometry, French or German, Botany, Mathematics, Advanced Algebra, Kinematics of Machinery, Electricity, Agriculture, Mechanics, are taken up and in the second semester of this year he gets into the first study of flour milling and machinery.

In the junior year, he takes up Steam Engines and Boilers, Mechanics of Machinery, Machine Design, Applied Mechanics, Electrical Engineering and Laboratory work, Hydraulics, History, Testing Materials, Flour Milling Machinery, designing and practical operation.

In the Senior year, he takes up Power Plants, Gas Engines, Heating and Ventilating, Engine and Boiler Tests, Principles of Economics or Political Science, Labor Problems, Agronomy, Cereals, General Machine Design, Pneumatic Machinery, Contracts, Specifications, and in both semesters flour mill design, diagraming, mill building each being supplemented with actual practice in the experimental mill.

Mr. J. H. Dedrick, ex-President of the National Technical Society of Federated Millers has been appointed head of the department of Flour Milling Engineering at this Institution.

This technical training should place the student, who enters the mill, in a position to rapidly acquire the practical part of flour milling and the operation and management of the office or business end as well.

The course in Milling or Mill Engineering certainly offers a sound theoretical, as well as a practical training, equipping the student with a working knowledge covering the production of the raw materials with which he has to deal; the commercial side of the problem, including a study of the cereal markets, the economical design of the necessary plant and equipment and the practical management of such a plant.

H. C. Offutt, '05 is Vice President and Engineer of the Beers-Offutt Construction company, Fort Wayne, Ind.

WRESTLING PROSPECTS.

Good Schedule Has Been Arranged but Possibility of a Winning Team will Not be Good Unless More Candidates Turn Out.

The wrestling situation at Penn State was never brighter than it is at the beginning of the season of 1910-11. A large number of very promising men are plugging steadily away at the game, and some great matches will have to be fought to decide the representative of the college in each weight class. In most of the classes there are sufficient men for Director Lewis to work with, but in one or two of the weights there is a sad lack of material; and new candidates will be welcomed in these classes especially.

In the 145 pound class, we find such sterling men as Morrison and Yeckley, both Seniors, heading the list. The freshman class is represented by four men who are also going to be heard from before the season is over: Resch, Simpson, Thomas and McLees. Two other men in this weight, Burlington and Green, specials, are very likely looking candidates.

The 135 pound class has not received as many candidates, but there is no fear for the result when we have men like Karcher, '13; Hoskins, '12; Fisher, '14; and Garver, Sp. There are several other men who seem also to have a good chance in the contest for the position.

In the 125 pound class that old war-horse Sammy Diehl, 1911, is doing splendid work again this year. He is backed by Manager Neidig '11, and Rishell, '14. More men could be used in this class.

At 115 pounds, Glanville, '11, and Park, '12, of last year's squad are working again; but there is a complete lack of new men. Director Lewis could use a half dozen men here to good advantage; and he wishes all men under 130 pounds to report to him. Freshmen, get busy!

The 158 pound class is represented by Very, Elliot and Schollenberger, all of 1913, and all men of tried ability. This is one of the strongest classes in the list, and a mighty struggle is expected among the 1913 men and also several promising Freshmen, for the final honor.

In the 165 pound class, Lesh, '12, last year's standby is doing excellent work, with Rearig, Sp., also showing up well.

The heavyweight class is another of those which needs more candidates. Stitt, '12, and Warner, '13, are wrestling well, but they are both new to the game. The Director needs more men to work with, and he wishes to see all men weighing 180 pounds or over.

On December 10 there will be a Championship meet for the best men in college. By previous trials the best two men in each class will be selected and they will then compete in the meet. It surely promises to be a warm one, and it behooves each candidate for wrestling honors to get into shape for the preliminary trials.

In the Engineering and Mining Journal for Oct. 12, will be found a paper by Mr. D. K. Bullens, formerly of the department of Metallurgy on "Assaying of Cobalt Silver Ores." The investigations upon which this paper is based were made in the Metallurgical laboratories of this school.

VARSITY BASKETBALL.

Prospects Bright for a Winning Team. Three Old Men Have Returned and New Material Looks Good. Schedule is Partly Arranged. First Game Dec. 9.

As the close of the football season is upon us the colleges are now turning their attentions to basketball, the winter intercollegiate sport. At State in this department prospects seen very bright for developing one of the best teams ever turned out of this institution. For a number of weeks Captain Blythe has had all the old and new basketball men practicing on the Armory floor, giving each man every show for a position on the team. Although the State five lost two of the regulars, Captain Hermann and "Bill" Reed, by graduation, yet those men that are left from last year's varsity form an excellent nucleus around which to develop a strong team.

All of last year's squad who are out again this year including Captain Blythe, Haddow, Shore, McEntire, and Davis and Amidon are already showing their old time form and vim displayed throughout the entire playing season of 1909-10. The abundance of new material makes it almost impossible to hazard a guess so early in the season as to who will fill the empty positions or beat out some of the regulars. Among those who are showing up well in practice are Yeckley, Metzgar, Sheldon, Vosburg, Hart, Foley, Loveridge, Green, Craig and Young. From this number there are sure to be a few who will find a birth among the regulars.

A strenuous effort is being made to retain "Dutch" Hermann to coach the team through the season and if this is accomplished the basketball team will have what it has long been in need of—a coach. There is little doubt but that such a move will prove beneficial. Last year no training table was maintained for the players, so if proper arrangements can be made Captain Blythe is anxious to keep his men in the best possible shape for the hard games that are scheduled. After Thanksgiving strenuous practice and strict training will be imposed upon the members of the team.

Although starting late in making out the schedule, Manager Sleppy has practically completed negotiations for games with some of the best teams in the east. The season will open here on Dec. 9, with a game with Susquehanna. Several trips will be taken, Dec. 14 being set for the start of the first one. The schedule till Christmas is as follows:

- Dec. 9, Susquehanna at State College.
- Dec. 14, U. of P. at Philadelphia.
- Dec. 15, Pratt Institute.
- Dec. 16, Columbia at New York.
- Dec. 17, West Point at West Point.

Following Christmas vacation games will be played with such teams as Swarthmore, Bucknell, Lehigh, Albright and others. The complete schedule will be announced later.

In the September number of Economic Geology Dr. E. C. Moore has a paper on "The Occurrence and Origin of some Bog-Iron Deposits in the District of Thunder Bay, Ontario."