

just previous to State's second score, and Hirshman was removed from the game a few minutes later.

With a light but fast and determined backfield composed of Hermann, Ballou, Mosser and Vorhis, our team tore through Bucknell's defense for consistent and substantial gains all through the second half. It was wonderful the way the back field players ran back punts, and the game fullback, Mosser, did some tackling which was only equalled by that of Fuhs and Barr.

The first score in the second half was made on a pretty field goal by Vorhis from the 35 yard line soon after the renewal of the hostilities, and Ballou followed it with a touchdown when he sprinted 20 yards over the goal line on a delayed pass.

The most spectacular play of the game was Vorhis' long end run of 50 yards for a touchdown. Our final score was made by Harrington, who was substituted for Vorhis, and Ballou kicked the goal which made the final point and ran State's total up to thirty-three.

The work of the visiting team is not to be discredited. Shoop played strong football in all departments and every Bucknell man was game to the end. O'Brien was always down the field with his ends but his tackling was not so sure as that of Shoop. The orange and blue was simply outclassed by the white and blue, but we respect the Bucknell pluck and grit as it deserves to be respected.

STATE 33	BUCKNELL 6
Barr.....	Winegardner
Weaver, Johnson.....	O'Brien (Capt)
McClellan, Riddle.....	Groff
Gray.....	Snyder
Cyphers.....	Edmunds
Smith.....	Tyson
Fuhs.....	Owens
Vorhis, Hermann.....	Beemer
Ballou.....	Wickham
McCleary (Capt), Vorhis, Harrington, Hendersen	
Hirshman, Mosser.....	Shoop

Touchdowns—Hirshman 2, Ballou, Harrington, Vorhis, Shoop. Goals from touchdown—Vorhis 3, Ballou, Shoop. Goal from field—Vorhis. Referee—Crowell, Swarthmore. Umpire—Gillender, Penn. Field judge—Folwell, Penn. Time of halves—35 minutes.

W. W. Smith, '08, has been appointed instructor in drawing at the Iowa State University.

Onward to Annapolis and Pittsburg.

With but two games remaining it is "up to us" to show our appreciation of the work of the team and to help in bringing the season to a brilliant finish by keeping up the proper State spirit. The loss of Captain McCleary from the team is the only cloud on what is otherwise a bright prospect.

The Navy won from Villa Nova on Saturday by scoring three touchdowns and three field goals to one touchdown for the Main Line team. Barry scored against the Midshipmen in the first two minutes of play and then Uncle Sam's sailors showed the wonderful strength of their powerful scoring machine by running up 30 points against the strong Villa Nova team in fifty minutes of play. Our team will meet a tough proposition next Saturday but there is no doubt that acting captain Vorhis' team will make a good fight. The better its opponent, the better our eleven plays, and it would be an object worth accomplishing to continue the sturdy work against Bucknell by triumphing over the strong Navy team.

The University of Pittsburg won from West Virginia on Saturday 11 to 0. Earlier in the week it defeated Carnegie Tech 22 to 0, but the struggle with the Mountaineers means more to us as a source of comparison, since State defeated W. V. U. 12 to 0 almost three weeks ago. Pitt triumphed over Bucknell 22 to 0 and the outcome of its game with the Indians on Saturday is eagerly awaited. From comparative scores and the relative strength of both elevens there will undoubtedly be a battle royal in Pittsburg on Thanksgiving Day. The Western Pennsylvanians had just as hard a time defeating West Virginia as we did, and their touchdowns against the West Virginians were probably not as much the result of consistent football as ours were. One came at

the first of the game when Pittsburg scored on a bad fumble, and the other resulted from Roe's 103-yard run for a touchdown on a forward pass. The Smoky City people are saving center Turner and halfback Banbury for the Indian and Penn State games so that their strength will be even greater on Thanksgiving than it has been to date.

Engineering Lectures.

The combined engineering societies and the school of engineering have this year been making a special effort to obtain lectures upon technical subjects by men of prominence in their particular fields. So far lectures have been given as follows:

President Edwin Erle Sparks, who is recognized as a leading expert upon the subject of the history of industrial development, lectured in the auditorium on October 21st, upon "The Evolution of Transportation." This lecture was illustrated by lantern slides and showed, in a useful and interesting manner, the growth in the United States to the present time of the great steamship and railroad systems. His lecture appreciated was highly by the students of the school of engineering.

Mr. Harry Hayden, manager of the Philadelphia office of the Dravo-Doyle company, and an expert for a number of years for De Laval Steam Turbine company, lectured upon "Steam Turbines," in the Engineering building, early in October.

Mr. Charles Lummis, engineer in charge of the Gas Producer department of the R. D. Wood company of Camden, New Jersey, one of the largest manufacturers of gas producers in the United States, lectured on Monday, November 2nd, upon "The Principles of Gas Production and the Industrial Fields to which Producer Gas can be Ap-