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**NON-FRAT MEN TO HOLD TWO PENNA. DAY DANCES**

Plans for the two dances, to be given on the Pennsylvania D. Y. house-party time for the non-fraternity men were completed last Wednesday evening at a meeting of the dance committee. These dances will be held in the Almsy on the evenings of November the fourth and fifth. The dancing will continue from nine to one on Friday evening and from eight to twelve on Saturday evening. The committee has secured "Dietzel's Select Seven" for the occasion and the reputation that that aggregation has made in Philadelphia will be upheld here.

The committee advises those who have not yet secured tickets to do so Saturday evening at the College from 8:30 to 10:00 o'clock. Owing to the size of the Almsy and the number of tickets that have been sold to date it may be necessary to limit the number to be sold. In that event it will be a case of "first come, first served."

**FINAL CROSS COUNTRY TRIALS HELD TOMORROW**

Cross country trials for the Intercollegiate meet will be held tomorrow afternoon at one-thirty. The Intercollegiate trials this year on the twenty-first of November and the first twenty men who finish in the trials tomorrow will be entered in the Penn State representatives in the all college race which is being held this year at Van Courtland Park, New York City. The varsity race will cover a three and a half mile course.

Of the Freshmen who enter in the Penn State trials, the twenty who finish will also be entered in the Intercollegiate as the men to represent Penn State in the Freshman run. Of these forty men, twenty on each team, fourteen will be sent to New York, and ten men on each of the two Penn State teams. The trials are being held over a month before the race take place. This is being done because the entrance requirements state that entries must be a month ahead of time.

**CULLEN CAIN DISCUSSES THE PENN STATE-HARVARD GAME**

In discussing the Penn State-Harvard game in yesterday's Public Ledger, Cullen Cain, who spent several days with Hugo Bezdek about a month ago, said, "Bezdek has a powerful if not a veteran team. He has the finest college spirit in the world with which to back this power into a whirlwind that will uproot the Harvard goal posts. When the teams met last in 1914 they played to a 13-15 tie. In 1915, with the incomparable Brickley in the game, Harvard triumphed, 29 to 0. Harvard sealed the heights of her football fame all the way from 1912 to 1920. Penn State, with Hollenbeck, at the helm, just began to come into her own in 1914. Then Bezdek came to the Mountain of Nittany to train the young lions that prowled in the valley below. Penn State soared to the heights in the last two seasons, and now, minus her star fullback and most of her grim veterans of last year, stands for the first time before the very door of an undisputed championship. This year thus the grand chance comes when we are all prepared, when our best men are missing from the muster roll.

The winner of tomorrow's game may well stand forth as the season's team with a trumpet blast, the Harvard team is recruited by the Haughton draft. But nevertheless it should be a great and evenly contested game."

**SATURDAY'S GAMES**

- Penn State vs Harvard, at Cambridge
- Pitt vs Syracuse at Pittsburgh
- Princeton vs Chicago, at Princeton
- Swatmore vs F & M at Swatmore
- Detroit Univ vs Boston College at Boston
- Yale vs Army
- Columbia vs Dartmouth
- Georgia Tech vs Rutgers
- Georgetown vs Holy Cross
- Cornell vs Colgate

**Hallowe'en Decorations**

**The Athletic Store**  
On Co-op Corner

**BEZDEK AND TEAM LEAVE FOR HARVARD STADIUM**

(Continued from first page)  
game. Owen will in all probability play at full. He is perhaps the best back on the team and his running, kicking and tackling make him a man to be feared by the Nittany warriors. He ripped large holes in the Indiana line and gained consistently. The halfbacks for the game have not been definitely chosen yet because of the large number of first rate backs out for the first eleven but they will probably be Jenkins and Gehrke. Both of these men are playing their first year of varsity football but are coming into their own rapidly and have performed well in games played to date. Rouillard will also get in against Penn State.

As a whole, the Harvard eleven is more experienced than the Nittany at least on the varsity while the majority of the backfield is also veteran material. This asset may overcome the superior weight which the Nittany players possess but that remains to be seen. "Bez" has moulded together a very scrappy aggregation and the very fight of the Blue and White men may more than make up for their lack of experience.

**Crimson Has Good Kickers**

The Crimson eleven will have possibly a slight advantage in the kicking department. In Fitz and Owen, while in Buell and Pfaffman, a substitute, it possesses two drop-kickers who have had little trouble in kicking field goals this season. To combat with this fact Penn State has Killinger, Bedenk and Hess for punting, any one of whom is capable of kicking at least forty yards. Last Saturday, Killinger's punts averaged forty-seven yards. The Nittany eleven though lacks a high class field goal kicker, although Cornell managed to boot a neat placement kick in the Gettysburg contest. Harvard's goal kickers will undoubtedly play a large part in tomorrow's tussle. They have won two games for the Crimson already.

So far as forward passing is concerned, statistics show that Penn State will probably have the edge. Up to date, the Nittany aerial attack has figured prominently in the Blue and White score and has occasioned large gains for Penn State. On the other hand, the Crimson team has been experiencing a little difficulty in its passing game. Against Georgia last week, the southern eleven made more ground on Harvard passes than Harvard herself did. Her defense against passing is excellent and it may be that Bezdek's system will not function adequately against it.

In spite of the hard struggle which the Cambridge eleven had with Georgia, the men came thru the contest in fairly good condition and Harvard expects to present her strongest line-up tomorrow. Head Coach Fisher, with the aid of almost a dozen other coaches, has been working the players to the limit during the week and has raised the players to a stage where they are just about ready to break. They are not cocky however as they have been made to realize that Penn State's team is a real menace to their record. They have not met defeat for two years.

Penn State Handicapped  
Unfortunately it cannot be said that Penn State's eleven will start the Harvard game with its strongest combination. The Nittany Lions will be handicapped throughout the stiff battle by the loss of Captain Snell, one of the most valuable men on the team, and, at the same time, Bentz, the varsity center, may not play because of a light case of tonsillitis which he developed in the middle of the week. Careful treatment, however, has been rendered the latter player and the coaches are hoping to use him at the beginning of the contest. Hufford, who has appeared at right end in every game so far, suffered a bruised ear last Saturday against Lehigh but he played regularly in practice each day this week and is not in bad condition. These three players constitute the crippled list, outside of minor injuries which a few of the men have received. To cope with the situation, though, Coach Bezdek has a large number of husky substitutes to call upon, several of these men being almost as good as the regulars, and no great blow will strike the team if one or two first-string players are unable to play. In the backfield, the football mentor, Gus Cornwall, Wilson, Knubli, and Hittner while in the line he has Hamilton, Runser, Gotsch, Smolinski, Hills, and two of three others of note.

**Quick and Efficient Service**  
**PENN STATE CAFE**

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This week, the coaching staff sent the Blue and White elevens thru the hardest work of the year, on Tuesday and Wednesday evenings forcing the men to scrimmage for three hours without a rest. No pains were spared and every effort was expended to shape the team for its biggest test. Drives and tackling, and falling on the ball were resorted to. Wednesday found the first team brushing up against the second eleven for over an hour of scrimmage and then matching strength with the fourth team when they employed Harvard plays. In the latter case, the varsity did not really have much difficulty in breaking up the Crimson movements but of course the fourth team was not well grounded on the play as the Harvard outfit is. Harvard, also has a much stronger team.

"Bez" did some shifting during the week in order to bolster up the line and give both of the backfields an opportunity to shine either offensively or in the attack, but it is quite likely that the line-up will be the same as the Lehigh contest. In the backfield will be Redinger and Lightner at halves, Hess at fullback, and Killinger at quarterback. The two halves should give the Harvard line considerable trouble, while Killinger is expected to cause no little worry by his broken field running and forward passing. Hess should come in for some punts, and in the play as the Nittany line and his interference. At the ends will appear Hufford and McCollum. Both handle passes excellently, are fast in getting down under punts, and are the finest defensive vigilantes. McCollum is playing the best football of his career and is one of the best ends in the game today. It was he who scored the first Nittany touchdown last week by snapping up a fumble and racing forty yards to the goal line. The tackles will, as usual, be McMahon and Madera, although there is a slight possibility that Hills may get in in place of Madera. Hills played on the first team for a short while on Wednesday. Baer and Bedenk will be Bezdek's choice as guards.

**MODERN UNIVERSITY RESULT OF SMALL NEW YORK COLLEGE**

The New York University was founded upon the meeting of nine men in 1829 for an institution of higher learning. The only available place at that time to hold classes was in an abandoned almshouse. The University was founded as a Presbyterian College to foster the ideal and aims of that sect. The almshouse soon became unsatisfactory so the College was moved into a new building on Washington Square. It was from this building that Samuel F. B. Morse sent his first telegraphic message and the first photograph of a human figure was taken here on the perfection of the camera by Dr. John W. Draper.

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**The Letter Box**  
State College, Pa. Oct. 18, 1921  
Editor of the Collegian  
Dear Sir:  
At various times during athletic contests and class scraps, I have noticed the presence of State Police in what appeared to be an official capacity. Last week during the line-up at the Treasurer's office for tickets for the Lehigh game, State Policemen were used to line-up the men for their tickets. I do not believe that they would have been there unless their services had been requested neither do I believe that they would act in an official capacity at an athletic contest unless requested.

It appears to me and I should think it would appear to others and especially strangers that the Faculty and Student Body cannot maintain law and order on their own College Campus without the aid of these men. The State Constabulary is perfectly proper in its place, but I do not think that it should be used as an every day affair on our College Campus.  
If there is a necessity for these men to be used at this time, the source of the trouble should be remedied and the rest will take care of itself.  
Very truly yours,  
1922

**IMPRESSIVE SERVICES FOR PROFESSOR ARMSBY**  
(Continued from first page)  
two hours in the afternoon, so that students may attend the services. The burial will take place at the Pine Hill cemetery.  
Dulcifies will be given in the auditorium by President John M. Thomas, Prof. F. L. Pattee and Dr. Wm. Frear. Dr. Thomas will represent the college officially. Prof. Pattee will speak in his connection with the faculty and Dr. Frear will talk on the scientific accomplishments of Dr. Armsby. The Edward M. Frear of the Saint Andrews Episcopal Church will be in charge of the services.  
The active pallbearers are Dean R. L. Watts, Dean C. W. Stoddard, Prof. W. W. Braman, Prof. A. H. Eschenbender, Prof. J. A. Fries and H. W. Good '22, representing the Sigma Nu Fraternity of which Dr. Armsby was a member.  
The honorary pallbearers are Judge H. Walton Mitchell and other Trustees present, Dr. J. M. Thomas, Dr. E. E. Sparks, Dean R. L. Sackett, Dean E. S. Moore, Dr. William Frear, Prof. F. L. Pattee, Prof. J. M. Willard, Prof. E. D. Walker, Prof. M. M. Garver.  
A monument that will live forever to the memory of Dr. Armsby is the animal respiration calorimeter, the only instrument of its kind in this country, and the only one in operation in the world today. In his studies of animal nutrition about twenty-five years ago Dr. Armsby conceived the idea of making an instrument to measure the total use of food as energy in animals as

was then done with an instrument for man.  
He planned and built the calorimeter with his own hands and under personal direction, with the valuable assistance of Professor J. A. Fries, still associated with the Institute, and Professor I. Thomson Osmond, eminent professor of physics, then an active member of the faculty. It was made to accommodate mature steers and dairy cattle for test work, and experiments were started with its completion in 1902.  
The results of Dr. Armsby's work in determining balanced rations for cattle have made his name known to feeders and agriculturists throughout the world. The calorimeter is located on the ground floor and in the small building to the east of the main agricultural building. The United States Department of Agriculture aided Dr. Armsby with its construction and until a year ago last July contributed to the work conducted there. The investigations up to about three years ago were conducted on beef cattle and since that time experiments have been made on dairy cattle, but the records of this work are by no means completed.  
Mrs. Armsby and five sons, all graduates of Penn State, survive Director Armsby.

The life of the doctor has been a life of achievements and patient endeavor. He began to take interest in the field of chemistry while studying at the Worcester Polytechnic Institute from which he graduated in 1871 with the degree of Bachelor of Science. The following eight years he spent at Yale in studying for the degrees of Philosophy and in 1874 he was awarded the degree of Bachelor of Philosophy, later receiving the degree of Doctor of Philosophy in 1879. Meanwhile he had filled the positions of Instructor in Chemistry at the Worcester Polytechnic Institute, Assistant Instructor of Chemistry at Rutgers and Chemist to the Connecticut Agricultural Experiment Station. After serving two years as Vice-President of Storrs Agricultural School, he left for the University of Wisconsin where he was Professor on Agricultural Chemistry from 1885 to 1887. A call to the Pennsylvania Agricultural Experiment Station was then

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given to him and he immediately accepted. In 1907, he became Director of the Institute of Animal Nutrition, where he was remained since that time. While he was in charge of the Experimental Station of the state, he received the degree of Doctor of Laws from the University of Wisconsin.  
His position in the world of Chemistry was assured before he came to Penn State. His first public office came in 1893 when he was selected Chairman of the Committee on the Experimental Station exhibit at the Chicago Exposition and later of the Exposition held in Paris at the beginning of the century. He then was made expert in Animal Nutrition, United States Department of Agriculture and since 1898 has been a member of the Commission on Agricultural Research. From 1898 to 1899 he was President of the Association of American Agricultural Colleges and Experiment Stations and of the Society of Animal Nutrition from 1908 to 1911. In 1917, he was appointed member of the Agricultural Commission of the National Research Council and in 1918, he was a delegate to the Inter-Allied Scientific Food Commission.  
It is interesting to note that when Dr. Armsby returned to Worcester Polytechnic Institute last June for the celebration of his fiftieth class reunion, he was awarded the degree of Doctor of Science by his alma mater, the first time that institution had ever granted this honorary degree. Just a year previous, in June, 1921, Dr. Armsby received this same honorary degree from Yale University. He was chosen a member of the National Academy of Science in April, 1920.  
Dr. Armsby has for the past six months been actively engaged in laying preliminary plans for the greatest nutrition research investigation ever undertaken, as a member of the execu-

tive committee of the National Research Council. It was the aim of the committee to raise \$10,000 to start work on experiments to determine the value and amount of proteins, vitamins, etc., in standard articles of food for human consumption. He was greatly interested in this work which had promise of developing into highly important results. He spent much time in Washington last spring and summer in this connection.  
As an author, Dr. Armsby is known nationally and internationally. His books on Animal Nutrition have received a wide circulation through the agricultural world, especially in the colleges and universities including Agriculture in their curriculum. His best known works are Manual of Cattle Feeding, and The Conservat of Food Energy.

**SYRACUSE FRESHMEN PARADE IN PAJAMAS**  
Packing every ounce of pent-up Syracuse spirit into a night of pep-producing hilarity, more than 4000 Orange students held their first city parade in preparation of the Syracuse-Brown football game. Leading the long snake-like line was the augmented R. O. T. C. Band while 1500 pajama-clad Fresh brought up the rear. The musicians were also garbed in indescribable grotesque uniforms.

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