

Directory.

Senior Class—President, P. M. Rainey.

Junior Class—President, T. F. Foltz.

Sophomore Class—President, C. R. Stahl.

Freshman Class—President, W. T. Dunn.

Alumni Association—President, G. M. Downing '88.

Athletic Association—President, H. D. Easton.

Football—Captain, Edgar G. Yeckley; Manager, R. W. Bair.

Baseball—Captain, E. H. Ray; Manager, B. B. Stamm.

Track—Captain, J. E. Hornbaker; Manager, C. H. Williams.

Basketball—Captain, W. R. Dunn; Manager, C. H. Williams.

Mandolin Club—Leader, R. P. Farrington.

Orchestra—Leader, C. P. Stewart.

Band—Leader, E. E. Godard.

La Vie Board—Editor-in-chief, O. C. Hays; Manager, W. Y. Heaton.

Thespians—President, G. L. Hoffman.

Manager—W. H. McDowell.

Pharsonians—President F. J. Saunders.

Manager—F. L. Neely.

LOCALS

H. E. Stitt, '03, of Allegheny, is happy. 'Tis a boy. Mrs. Stitt and baby are doing well.

Harry Hollinger, ex-'05, who was forced to retire from college last year on account of eye trouble, has returned to college.

On account of unavoidable circumstances, the lecture scheduled for last Friday morning on electrical subjects, was postponed indefinitely.

Arthur G. McKee, '91, District Engineer with the American Steel and Wire Company, of Cleveland, gave the seniors and juniors an interesting talk on blast furnaces last Thursday evening.

J. P. Considine, '04, has resigned from the employment of the Pennsylvania Steel Company, of Steelton. He has secured a position as draftsman with Post and McCard Company, of New York.

The Pennsylvania State College Association of Eastern Pennsylvania will hold its Annual Smoker and Reunion at the University Club, 1510 Walnut St., Philadelphia, Pa., on the evening of Friday, April 14, at eight o'clock.

At a meeting of the Catholic Club, of The Penna State College, held Friday evening, April 7th, the resignation of Mr. Saunders as President and Secretary was read and accepted. Mr. Stoll was elected to succeed him. Mr. Saunders was tendered a vote of thanks for his services during the past year.

R. G. Carpenter, who took the short mining course here in 1896 and '97, has recently been appointed division engineer of the Plymouth division of the Lehigh and Wilkes-Barre Coal Co. In his new position Mr. Carpenter has charge of the engineering work for some of the largest and most valuable mines in the anthracite field.

TECHNICAL REVIEW.

The electrical engineering department has just received two newly invented electric lamps. One is an arc lamp, the "carbons" of which are composed, one of a salt of copper and the other of magnetite. The lamp works on a series circuit of seventy-five volts and takes about four and a half amperes. The copper terminal lasts und indefinitely while the magnetite needs occasional replenishing. The lamp is said to give better distribution than the ordinary arc.

The other lamp is an automatic starting mercury vapor lamp. It is an improvement over the regular Cooper-Hewitt lamp in that it does not need to be inverted to make an

arc. Both lamps were made by the General Electric Company.

A Test of the Respiration Calorimeter.

The size and complexity of this apparatus make it necessary to conduct check experiments to test its accuracy. In one such test recently made heat was generated inside by an electric current passing through incandescent lamps in parallel. The current was measured by a wattmeter just outside the chamber, which was read every two minutes. From these readings the energy introduced was reckoned. In this test there was no air current through the chamber, the temperature inside was maintained constant and the walls held adiabatic. All the heat evolved was, therefore, absorbed and carried out by the water circulating through copper pipes inside and near the top. The amount of water passing through was measured, and the temperature of the ingoing and that of the outcoming water read to one-hundredth of a degree every four minutes. From these data the calories of heat removed were calculated.

In ten hours the energy introduced as measured by the wattmeter and the amount removed in the form of heat by the water current was as follows:

Energy introduced by electric current.....	6737.1 Cals.
Heat measured by calorimeter.....	6752.5 "
Difference	15.4 "
Percentage difference	0.23p. c.

These figures show a most satisfactory degree of accuracy in the apparatus so far as heat measurement is concerned.

TACT.

I went to a party with Janet,
And met with an awful mishap,
For I awkwardly emptied a cupful
Of chocolate into her lap.
But Janet was cool—though it wasn't—
But none is so tactful as she,
And, smiling with perfect composure,
Said sweetly, "The drinks are on me!"

—Harvard Lampoon