Freshman was required to take it. The results showed that more such practice was sadly needed.

—Mr. K. Oshima, a native of Sapporo, Japan, was here some time ago to investigate the Calorimeter. Mr. Oshima is in this country to study the subject of Nutrition, and came here from Connecticut, where he investigated the Human Calorimeter of Prof. Atwater.

—Prof. Pattee recently acted as one of the judges in an intercollegiate oratorical contest between Swarthmore, Lehigh, Franklin and Marshall, Gettysburg, Ursinus, Lafayette and Muhlenburg at Swarthmore.

—The Seniors have now fairly started on their theses. Among the civil section Messrs. Stitt, Palmer, Silvius and S. E. Miller are working on a $350,000 railroad bridge across the Arkansas river; Huber, a 180-foot typical highway bridge; Messrs. Shaffer and May, the design of a new system of water supply for the State College Borough; Mr. Sterrett, steel building for manufacturing plant; Mr. Hoke, the design of a roundhouse including steel turntable tracks and building complete; Messrs. D. K. Miller and Frey, design of sewerage system and disposal plant for the Borough of State College; Mr. Baird, on freight yards.

The Senior electrical theses are as follows: Beckert and Jones, experimental work on high alternating pressures; Clendenin and Wert, the efficiency of incandescent lamps; Dennington and Landis, the design and operation of a continuous current transformer; Godard and Johnston, the effect of electrolysis on underground pipes; Kyle and Godchalk, a determination of the commercial advantages of the Nernst Lamp; McLarn and Rohrbach, an investigation into the characteristics of an induction motor; Nelson and Yeakle, investigation into the characteristics of a posted storage battery; Stoeltzing, the design and construction of an automatic synchronizer; Kinsloe, work in induction motors; Rumbel and Sharpe, electrolysis of zinc by the wet method; Stoll and Stauffer, on electro-plating; Miles and Kirk, design of high transmission lines; Eisenhuth, design and construction of a curve tracr.