

Library Notes.

Hours—7-55 A. M. to 10 P. M.

The Edison Medal Association has established a prize, known as the "Edison Medal" to be awarded by the American Institute of Electrical Engineers for the the best thesis or record of research on theoretical or applied electricity or magnetism. A copy of the conditions governing the competition and award may be consulted at the Delivery Desk in the Carnegie Library.

The Library has received by gift, a set of the American Institute of Electrical Handbooks. The set consists of eleven neatly bound and nicely illustrated volumes detailing the points of interest and present state of electrical interest in reach of the following places: Boston, New York, Philadelphia, Pittsburg, Washington, Niagara, Schenectady, Chicago, Montreal and Newark (Edisonia). These Handbooks were gotten up by local committees primarily as guides and aids for the Delegates to the International Electrical Congress at St. Louis in 1904, and it's subsequent circular tour

The Library is indebted to George T. Graham for a copy of The Photos here, published by the Washington Literary Society in 1874. It is a curious compilation, with some local flavor and antedates both the Free Lance first issued in 1887, and the La Vie, first published in 1887. Professor Buckhout, the most competent authority on matters pertaining to the history of the College, is of the opinion that several issues of this annual were published, and he proposes to look over his collected materials with a view to supplementing the Library file.

An open letter, by Milton Scott Lytle, one of the earliest alumni of the College, now an attorney at Hun-

tingdon, on "A Trust for the Benefit of the White People to Follow the present System" appeared in the Philadelphia Public Ledger of February 26th.

"A Paper on Box-Car Loaders" by W. L. Affelder, '99, appeared in Mines and Minerals recently. In substance, the paper was delivered as an address before the Western Penna. Central Mining Institute,

TECHNICAL REVIEW.

Senior Chemistry Theses.

Peschko, Heinrich, and Cooper are analyzing foodstuffs and investigating the subject of adulterants.

Morgan is making a study of organic preparations used in photography.

Forkum is analyzing and investigating the different properties of Chinese wood oil.

Brobst is working on a new process for making chloroform from acetone.

Swartz is comparing the different methods for the determination of sulphur in pyrites.

Hart is comparing the different methods for the determination of sulphur in pig iron, notably the copper-potassium chloride method.

Aungst and Curry are analyzing and testing paints and pigments.

Lowe is studying the effect of light on ethereal solutions of ferrous salts.

Bashore is endeavoring to prepare Vanilline by oxidizing Eugenol.

Duff is investigating and analyzing different varieties of anti-friction metals.

Senior Mechanical Theses.

Bausman, Beck, Patterson, Ray and Torrence are making a locomotive test on the Bellefonte Central, to determine the fuel consumption per horse power hour.

Davis, Estep, and Johnson are designing and will construct a tandem two stage air compressor.

Hamilton and Hertzler are making comparative tests of the New York and Westinghouse air brakes.

Reimel and McLaughlin have designed and are now constructing a 20-horse power steam turbine of the Curtis type.

Kreidler, Gerber, Neely and Slocum are testing the Corlis Triple Expansion engine to determine the most economical point of cut off and efficiency.

Hess and Gentzel have designed and are constructing a direct connected engine to be used with a generator which is being made by the Electricals.

Crawford is making a study of the hydraulic ram.

Hoffeditz is making an investigation of the efficiency of different styles of blades for ventilating fans.

\$250,000 has been asked from Congress to erect a light house and make other improvements on the Midway Islands in the Pacific.

Municipal ownership in Australia is said to be a failure.

An investigation made by the English coal commission shows that the available supply in the British Isles, is 146,873 million tons. Englands annual output is 230 million tons.

Marconi has made new improvements on his wireless telegraph system whereby words may be received at the rate of 100 per minute. Formerly the limit was twenty-four per minute.

Patents have been taken out for a system whereby mercury vapor lamps can be automatically started. It consists of a step up transformer the secondary of which gives a high enough e. m. f. to break down the initial resistance of the lamp.