

to alumni interests, and a list of the various local alumni organizations.

On the whole, the "Engineer" is deserving of great praise, as it is the first attempt to publish such a magazine at State College; and only those who have instituted such attempts realize how difficult was the task presented to the editors. The cuts would doubtless have been improved by being printed on a paper having more of a glazed surface; and if the publication of the magazine is continued, it would make a better appearance to have the page set with a little larger type. These are minor criticisms, however, and the Collegian takes pleasure in welcoming the "Engineer" as a valuable addition to our publications, and in urging the hearty support of the student body.

The Band Concert

The general verdict of last Thursday night's concert by the band was one of approval. The chief difficulty encountered in giving a program consisting largely of classical music was lack of time for practice, since the military work has taken considerable time during the last few weeks. Although the audience was small, it was appreciative and did not regret the help given to the organization.

The band has been organized only about six years. Prior to that time the buglers were the only musicians for the cadets. It is due solely to the generosity of Andrew Carnegie that we have the band now, for he bought a complete outfit of instruments for the use of student musicians in a band organization. The set consisted of twenty instruments, excepting the drums, divided among cornets, clarinets, trombones, altos, baritones, saxaphones, and bases. Recently a trombone and an alto horn were purchased, and it is expected that a clarinet and some saxaphones will be bought next year.

There are always several men using their own instruments and several more who can play, but who do not have instruments, and it is to provide for these men that these new ones are bought. Other expenses arising from repairs to instruments and new music are constantly arising and the only means to provide for them is through the proceeds of a concert. It is hoped that a larger attendance will greet the band when it appears again, and give it encouragement for more work.

Senior Thesis Subjects.

Analytical Investigation of Tin Alloys—R. H. McMillen.

The Determination of Benzoic Acid—T. W. Mason.

A Study of the Preparation and Properties of Certain Bromates—B. W. Scribner.

Comparative Study, by means of the Entropy—Temperature Diagram, of Different Methods of Steam Jacketing the Corliss Triple Expansion Engine—G. S. Breneman, D. F. Evans, and A. B. Steigerwalt.

The Preparation of Anthracite—E. C. Lee, R. D. Quickel.

The Development and Survey of the Criterion Mine of the Westmoreland Coal Co., Irwin, Pa.—H. M. Burns, J. L. Caruthers, C. G. Reiter, W. G. Thomas.

Prospecting and Methods of Mining at Cobalt, Canada—C. L. O'Donnell.

Electricity in Coal Mining—J. T. Henry.

Report on the Cornwall Iron Ore Mines, Cornwall, Pa.—B. H. Bixby, L. J. Cann, E. C. Hickman, W. B. Plank, N. R. Wright.

Report on the Copper Mines of Central Pennsylvania Mining and Milling Co., Cential, Pa.—M. G. Dillon.

Location of a Branch of Huntingdon and Broad Top Railroad from Coalmont, Pa., to Savage Coal Property—J. T. Ryan, J. B. Snider.

Design of a 100 Ton Concentrat-

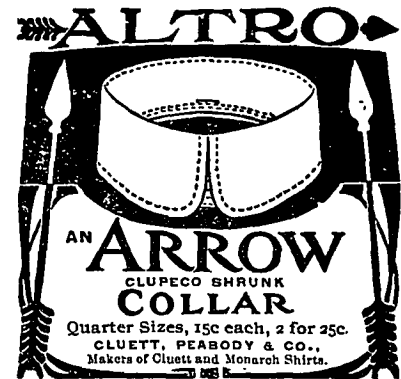
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Development of a Mining Property at Shingletown Gap, Pa.—C. M. Piper, A. Saxe, J. A. Sharp.

Experiments on the Treatment of a Low Grade Silver Ore from Cobalt, Ontario—E. A. Gebhardt, R. W. Irvin.

An Investigation of the Methods of Applying the Cyanide Process for Extracting Gold from a Gold Ore—A. J. Garrett, Balser Weber.

Assaying Impure Ores—W. T. Dunn.

The Association acknowledges with thanks the receipt of one hundred dollars from the Pharsonians, this sum to be devoted to Conference Fund.