SUMMER MINING SCHOOL

The mining summer school, consisting of nine students and three teachers, visited the iron mines of Mesaba, Minnesota, the copper mines, mills and furnaces of Lake Superior, the nickel mines and furnaces of Sudbury, Ontario, and the silver mines and concentrators of Cobalt, Ontario.

Mining in Mesaba district is the simplest and least expensive of all, a blast hoisting thousands of tons, a steam shovel loads the car, a sample of the ore is analyzed for phosphorus, and the result wired to Duluth before the ore arrives there; then a lad is then put in the proper bin with others of the same phosphorus. The ore host pulls up alongside and is loaded with the grade wanted, a letter to Lake Erie then tells the grade and therefore the ore heap to which the cargo is to be consigned. The ore from these delivers it at the furnace.

The native copper of Lake Superior, renowned for its purity, is broken by huge stamps, concentrated by jigs and huge stamps, refined in reverberatories and shipped to the manufacturers all over the country as ingot for alloys, as wire bar and as cupper for rolling into plates. The wire is tested for tensile and conductivity, tensile strength and permanent set.

The students got many valuable ideas from the visits.

Nearly all members of 1913 in Course IX, who were at the freshman last year, have returned for senior work.

Plans are being made for the first meeting and address of the Min. Eng. Soc. which will be held early in October.

Mr. R. S. Wahlstrom, B. S. 1916, is back this year as an assistant in the Mining Eng. Dept. He is at present engaged in analyzing as one which will later be used for a blast furnace run by the Senior Mining Class.

He addressed the meeting, urging conscientious practices, which, he said, is essential to success against 1914 on Friday. Manager Horner presided.