

At the Universities of Sheffield and Birmingham, though not at the School of Mines, I found that evening classes are held for the instruction of metal workers in these cities. Metallurgy in these universities refers more to the use of metals rather than to the smelting of ores and there are many metal workers in Sheffield and Birmingham who are very glad to profit by the facilities offered by the Universities. The same conditions are beginning to be found in Montreal, and a Department of Metallurgy in this city has an important field of usefulness in assisting local industries, and in return should be able to count on material aid from local firms. A beginning has been made in the evening course in Metallography conducted by Messrs. Roast and Pascoe, but with better laboratories we should be able to provide additional courses as the need arises. Care must be taken, however, to avoid competition with the Technical School which now meets a portion of such needs in Montreal.

Our lecture and laboratory accommodation is deficient in the following particulars:-

1. Lecture rooms. Most of the lectures in this Department are given in the chemical lecture rooms because the Mining and Metallurgy room is too small or is occupied by the Mining Department. We need for the two Departments at least two lecture rooms and a preparation room with occasional use of a still larger room.
2. Museum. A room is needed for teaching collection of ores, furnace products, metals, alloys, refractory materials, etc. and for diagrams and models. At present we have scarcely any space for this purpose.
3. Library and Reading Room. The Mining and Metallurgical Departments have been crowded out of the Chemical Library and need a room for this purpose.
4. Assaying and Chemical Laboratories. Our space is from 1/4 to 1/3 of that of the English Universities. Our greatest need being a laboratory for advanced chemical work which would form part of their metallurgical instruction in the final year. Such a laboratory is also essential for students doing post-graduate work and for the teaching staff.