

We attempt to serve the community in any way possible but pay particular attention to the following:-

1. Investigation of ore dressing problems in our laboratory.
2. Giving advice to prospectors and others who are interested in the development of mineral deposits.
3. Assisting in the work of the Canadian Institute of Mining and Metallurgy and other associations of mining and metallurgical engineers.

Most mining problems have to be investigated on such a large scale that work in a college laboratory is useless. During the past four years we have confined our efforts largely to a study of the flotation process. Our first work was on the separation of a complex copper-zinc ore from the Rouyn district. The second problem investigated was the possibility of applying flotation to the recovery of gold. In both cases the results obtained were encouraging and were given to the mining companies interested and to the Department of Mines in Ottawa. Graduate students were assigned certain problems in these investigations and the work was supervised and coördinated by Professor Bell. We are at present carrying out an important investigation on the settling of finely divided matter in the Dorr thickener. This gives promise of very important results. We plan, if we can secure the equipment, to investigate, in the near future, certain phases of fine grinding in ball and rod mills. This work should have great practical value and lies in a somewhat neglected field.

*W. G. M. Bell*