

storehouses of many rare minerals, some of which have at present economic uses and others may be expected to have at no distant date. The only specimen of wolfram, the ore of the metal tungsten which is used in a steel alloy, ever found in this province was attached to a boulder of the heretofore much despised Laurentian granite. Again, the only deposit of columbite, a mineral which has recently come into commerce, occurs in a coarse grained granite dike. Within the last few years an important corundum industry has sprung up in one of these formerly so-called barren granite districts; the mineral has been found at numerous points in belts of these rocks, which have a known length in the province of about 100 miles. Other examples could be given to show that the larger, hitherto neglected, Laurentian granite areas are well worthy of the attention of the prospector. Enough has, however, been said to show that these rocky areas are not to be left unconsidered when estimating the value of our undeveloped mineral resources. They already furnish us with a greater variety of economic minerals than the Huronian and younger formations which in years gone by were the favorites of the prospectors. Our mineral-bearing areas are, therefore, much more extensive than they were formerly thought to be.

To worthily justify its title this paper should possess the size of a large volume. Our undeveloped mineral resources are extremely varied in character.

The writer showed in a paper published in Vol. V of the Journal of this Institute\* that Ontario produced as great a variety of minerals as probably any other area of the world of like extent. My object, however, is not to attempt a detailed description of these resources, even had time permitted, but to give a rough outline of the field that lies waiting for the mining man in this province. In order to do this systematically, but briefly, I shall use a classification, which has long been adopted by the Geological Survey, and divide the useful minerals and rocks into several groups.

\* Eastern Ontario: A Region of Varied Mining Industries, *Journal Canadian Mining Institute*, Vol. V, p. 233.