

were acted upon by percolating waters, both hot and cold, by which the rocks were altered to a greater or less extent, and the copper was concentrated and stored up in the conglomerates, lavas and veins in which it is now found.

The above account gives in brief a general idea of the geology of the region touched upon here, as the writer interprets the facts observed. He is, however, aware that different interpretations of the same facts are made by others. He has therefore called special attention to the important differences of interpretation. In the copper-bearing rocks, the question of their relation to the Eastern sandstone is one of great economic interest in these days of diamond drills and deep shafts. One can readily see this when one considers that it involves the question, Do the copper-bearing rocks extend out under the Eastern sandstone or not? If they do, their exploration becomes merely a question of how great thickness of sandstone must be bored through. If they do not, then the question ought to be settled by the geologist, if possible, in order to save waste of money in unnecessary exploration on the part of those who are interested in mining.