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About 20 miles west of Tonopah is a group of hills around a central peak called Lone mountain. This peak is of massive granite, and against it recline, usually at steep angles, a thick series of uptilted slates, schists, quartzites and metamorphosed limestones, and merbles of Cambro-Silurian age, interpenetrated by sheets, dikes and intrusive masses of andesite and and other eruptive rocks, the heat of which, doubtless, metemorphosed the sedimentary beds. The evidences of this metemorphic action are very pronounced-shales are changed into elates or schists, sendstones into quertzites, and limestones into white marble; while various minerals, characteristic of metamorphic action, appear in the rocks at contects with the igneous dikes, such as epidote, which is particularly abundant. We have here all the acknowledged geological conditions for mineralisation, nor are the precious metals wanting.