

BERYLLIUM ORES IN TASMANIAPhenacite.

It has been reported that phenacite ( $\text{BeO SiO}_2$ ) has been discovered in a porphyry of the Moina<sup>2</sup> district. No specimens are available for examination and judging by the information supplied it is by no means certain that the identification of the mineral is correct.

Beryl.

Beryl ( $\frac{2}{3}\text{BeO Al}_2\text{O}_3 \frac{1}{6}\text{SiO}_2$ ) has been found in at least three localities.

Royal George District. Small bright-green specimens have been recorded from a tin-bearing vein in granite on the south side of St. Pauls River, opposite Brookstead.

Avoca District. Beryl has been reported by Petterd and Waller as occurring in large crystals (up to 2" diam. and 10" in width) in a pegmatite dyke at or near the Great Republic mine. Waller records them as embedded in the quartz crystals, while Petterd states that they are associated with large orthoclase crystals.

The exact locality is not given, but Petterd refers to them as being found in a trench, while Waller had a rock section prepared from the North Republic lease.

The deposit has not been described by later investigators and it is not known if it is of commercial importance.

The beryl was recently examined by E. Broadhurst who reports: "The Beryl occurs in a pegmatite consisting mainly of beryl with a little felspar, quartz mica. It is found in a lens 4 feet long and 8 inches wide, and has been traced over a length of 4 chains."

Moina district. Beryl has been reported from the S. and N. lodes and from Sayer's lode. The latter appears to be the only deposit offering possibilities of commercial exploitation. According to A.M. Reid (Bulletin 29) Sayer's lode is a cassiterite-Wolfram one, wolfram being prominent where the beryl is developed. It is a pegmatitic lode traversing aplitic and greisenised modifications of the granite, the vein of beryl being 3 to 4 inches wide. The crystals were  $\frac{1}{8}$  to  $\frac{1}{2}$  inch in diam. and of a pale bluish-green tint.

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