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11th October, 1957

MEMORANDUM

LORD BRASSEY MINE

The following rock specimens were collected by Senior Geologist T.D. Hughes at the Lord Brassey Mine.

A. Fine grained greenish-white mottled rock with dark specks. The rock contains fine seams of asbestiform material and has an outer skin of serpentine.

In thin section the rock is nearly all isotropic, and consists of grossularite with relict crystals, all somewhat rounded, of altered pyroxene and felspar. There are also numerous small rounded and partially altered crystals of iron ore minerals rimmed with limonite.

The specimen is very similar to a rock previously described from Andersons Creek, and named in C.S.I.R.O. Mineragraphic Investigations No. 682 as Rodingite. The specimen from Lord Brassey Mine is somewhat less altered than that from Andersons Creek and easier identifiable as a garnetised gabbro.

B. Fine grained greenish gray rock with deposits of carbonate in joints and cracks.

In thin section the specimen is a structureless aggregate of fine laths and plates of colourless pyroxene, granular colourless garnet and interstitial serpentine. The edge of the section shows a skin of carbonate superimposed on a skin of serpentine. The specimen may represent a fine grained marginal phase of the basic rock which has been garnetised and serpentised.

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(G. Everard)

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