An irregular network of veinlets of varying continuity is present, with widths ranging up to 2.5 mm. These typically consist of weakly sericite-stained, poorly twinned albite with disseminated patches of fluorite, thin, semi-continuous films of magnetite, minor K-feldspar, disseminated aggregates of hastingsite, sparse, deep-green hedenbergite, and thinly disseminated grains (< 100 - 300 μ) of scheelite, which may be pseudomorphous after wolframite.

Coarser veins have irregular, but semi-continuous, replacement selvedges up to a few millimetres in width, with the original garnet-diopside assemblage altered to albite-hastingsite-hedenbergite aggregates with disseminations of fluorite and magnetite. There is minor late development of a sericite-calcite-chlorite assemblage in discontinuous veinlets and irregular to planar zones partly parallelling the banding.

Polished section examination confirms this rock to be devoid of sulphides. Sn 380 ppm; W 180ppm; Zn 600ppm.

00011

SMD 15

52·4m

(T.S., P.S. 32446) K-stain positive.
This rock is best classified as a phlogopite-albite-fluorite rock and is representative of an irregular vein or segregation with included angular, poorly sorted clasts of thoroughly altered host rock. These features (1-5 mm+) exhibit a faint relict microgranular fabric and generally consist of poikilitic fluorite clouded with included clots of extremely fine phlogopite (?after diopside). One clast includes a relict anhedral garnet (hand specimen only) and the altered host rock is reasonably interpreted as a diopside-garnet skarn with accessory fine-grained magnetite, locally finely banded and broadly mesofolded.

The enclosing vein material comprises mainly fluorite-albite aggregates of widely variable habit and sizing. Green to near-colourless phlogopite is disseminated throughout, and albite has clearly developed largely as a late replacement of mica aggregates (similarly some clasts are partly albitised). Fluorite is generally poikilitic with a few clear areas of millimetric proportions. Included phases are clusters of subacicular beryl, variably albitised mica (phlogopite) and sparse tourmaline (green, weakly pleochroic schorl, rare elbaite).

Accessories include traces of K-feldspar, phlogopite-stained ankeritic carbonate and Fe-Mg chlorite as a late replacement of the relict mica. Scheelite is randomly disseminated throughout the veins and, to a lesser extent, the altered host rock clasts as anhedral grains