

675549

82E/3

CIM Dist 6 Komlars Oct 24-27/84

2:00 — Paper 11.4

Multiple Phase of Mineralization in the Greenwood Area.

B.N. CHURCH

Recent exploration in the Greenwood area has focused mainly on strata-bound 'volcanogenic' gold-sulphide mineralization in Triassic beds (the Sylvester K prospect) and precious metal veins peripheral to the lower Cretaceous Greenwood batholith (the Dentonia Mine at Jewel Lake). Other mineral occurrences of note receiving current and past attention are the Orc Denoro copper sulphide-magnetite-bearing skarn deposit and the Lexington and Buckhorn porphyry copper prospects. The Tam O'Shanter prospect is a good example of epithermal vein mineralization associated with Tertiary faulting peripheral to the Toroda Creek graben structure and Sappho is a similarly situated gold-silver-platinum-copper prospect hosted by a small Tertiary Coryell syenite-skonkinite intrusion. Older (Cretaceous?) breaks with large dyke-like ultramafic intrusions are related to gold-silver quartz vein systems exemplified by the Skomac and Number 7 mines.

CIM Bull p 26