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ELK MT. CU-AU-AG.,NEVADA.

A Recconaissaance of the Jarbridge, Contact and Elk Mt.Mining Districts, Elko Co.,Nevada.USGS Bull.497,1912,by F.C.Schrader. 151-157.

Intrusive GD core,~~fat~~,trends NNW,surrounded by Paleo seds;outer field of Tert.lavas. Seds same as at Contact: ls.qtzite,slate."They have been (similarly) domed up by a stock or mass of intrusive granodiorite,which apparently so shattered the beds in the crown of the dome that it soon became the seat of ative erosion,which stripped back the quaquaversally dipping beds down the sides of the dome to the points where their upturned truncated edges now form a rim overlooking the still more deeply eroded granodiorite of the central area. Dip 40-70,max.on N.On east about 50 with decrease toward S end. Elongated shape may be due to erosion,not real shape of plug. Age of GD same as Contact,probably Cretaceous.

On W side,300' qtzite directly overlies the GD;above this,600' light-colored ls,above, rhyolite.But total thickness of Paleo.about 1600'. Elsewhere ls in contact with the GD.

The surrounding lava (rhy) seems to be the Jarbridge post-mineral lava,with which it is continuous.Small exposures of the older,pre-mineral Jarbridge rhyo.

Ore deposits CM type, in ls. garnet zone as horseshoe shaped area along E and W sides of GD,with the toe of the horsehoe,on the north,more deeply buried or less favorable for mineralization.

All prospects.Author hipped by CM genesis of ores,so seems to neglect fractures. But he mentions brecciated outcrops on W limb of horseshoe; where brecciated they are ore. Austeon transverse (E-W) vein here,a radial fracture.Best showing, 3% Cu $7 Au. At S end of W arm of Horseshow is one of the best showings,on a good-looking persistent ledge (strike not given) carrying up to 16% Cu.