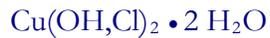


CALUMETITE



A rare mineral, first described from Michigan, formed by the action of acid mine waters on native copper or cuprite. Northern Peninsula.

Houghton County: *Centennial mine*, at various areas between the 4,000' and 5,000' levels and "at several other mines": Occurs as brilliant azure blue, small spherules and sheaves of scaly crystals in cavities and fractures in basalt associated with copper, cuprite, malachite, atacamite, paratacamite, buttenbachite, and two undefined copper chloride minerals (Williams, 1963b).

Keweenaw County: *Abmeek No. 2 mine*. In deep blue scaly encrustations coating copper (T. Rosemeyer, personal communication, 1999).

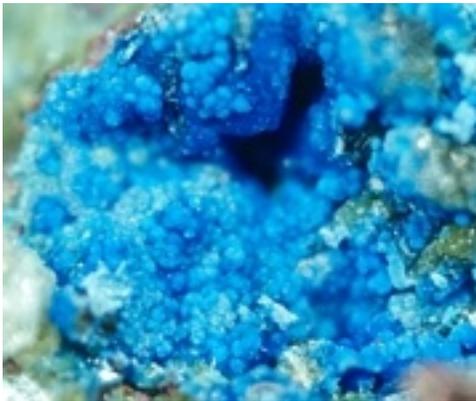


Figure 50: Calumetite from the Abmeek Number 2 mine, Abmeek, Keweenaw County. Field of view approximately 2.5 mm. Dan Behnke specimen and photograph.

FROM: Robinson, G.W., 2004 *Mineralogy of Michigan* by E.W. Heinrich updated and revised: published by A.E. Seaman Mineral Museum, Houghton, MI, 252p.