

MEETING OF OCTOBER 17th, 1887.

SUPPOSED MIXTURE OF BORNITE AND STROMEYERITE.

BY RICHARD PEARCE.

An ore supposed to be a mixture of bornite and stromeyerite occurs in the Plutus Mine near Idaho Springs, Colorado.

A determination of the copper, silver, iron and sulphur in a piece of the mineral gave the following result :

Copper	42.49
Silver	26.31
Iron	6.22
Sulphur	19.40
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	94.42

Lead and other foreign matters were not determined.

The stromeyerite is apparently disseminated in spots through a matrix of bornite.

A specimen presented to the Society by Mr. Frank Osbiston, the manager, shows also a curious looking mineral which may perhaps be massive tennantite although it hardly corresponds to that mineral in color. It contains :

Copper	40.160
Arsenic	14.300
Silver	2.304

Sulphur and iron were not determined.

It occurs very sparingly, massive with no evidence of crystallization. In its general characters and composition it approaches nearer to tennantite than any other mineral I know of.