Jeromite $As(S,Se)_2(?)$

Crystal Data: Amorphous to X-rays. *Point Group:* n.d. Globular coating on rock fragments.

Physical Properties: *Fracture:* Conchoidal. Hardness = n.d. VHN = n.d. D(meas.) = n.d. D(calc.) = n.d.

Optical Properties: Opaque, translucent in thin edges. *Color:* Black; cherry-red in transmitted light.
R: n.d.

Cell Data: *Space Group:* n.d. Z = n.d.

X-ray Powder Pattern: n.d.

Chemistry:

	(1)
As	46.8
Sb	trace
Se	7.5
Te	trace
S	40.8
insol.	4.9
Total	100.0

(1) Jerome, Arizona, USA; corresponds to $As_{0.91}(S_{1.86}Se_{0.14})_{\Sigma=2.00}$.

Occurrence: Coating rock fragments beneath iron hoods placed over vents from which gasses rich in SO_2 issued, a product of burning sulfide ores.

Association: n.d.

Distribution: From the United Verde mine, Jerome, Yavapai Co., Arizona, USA [TL].

Name: For Jerome, Arizona, USA.

Type Material: n.d.

References: (1) Palache, C., H. Berman, and C. Frondel (1944) Dana's system of mineralogy, (7th edition), v. I, 144. (2) Lausen, C. (1928) Hydrous sulphates formed under fumarolic conditions at the United Verde mine. Amer. Mineral., 13, 227–229.