Crystal Data: Monoclinic. Point Group: 2/m or 2. As crystals, to 10 μ m, composed of multiple individuals, in radiating botryoidal aggregates.

Physical Properties: Tenacity: Sectile. Hardness = 4-5 VHN = 253-285, 263 average (100 g load). D(meas.) = n.d. D(calc.) = [6.56]

Optical Properties: Semitransparent. *Color:* Pale olive-green; in reflected light, very pale brownish gray. Streak: White. Luster: Adamantine. Optical Class: Biaxial. $\alpha = n.d.$ $\beta = n.d.$ $\gamma = n.d.$ 2V(meas.) = n.d. Bireflectance: Very

 R_1-R_2 : (400) 12.2–12.3, (420) 11.8–12.0, (440) 11.6–11.8, (460) 11.4–11.6, (480) 11.2–11.4, (500) 11.1-11.2, (520) 10.9-11.1, (540) 10.8-11.0, (560) 10.8-10.9, (580) 10.7-10.8, (600) 10.7-10.8, (620) 10.9, (620) 10.9, (620) 1010.7-10.8, (640) 10.7-10.8, (660) 10.7-10.8, (620) 10.7-10.8, (700) 10.6-10.7

Cell Data: Space Group: $P2_1/m$ or $P2_1$. a = 8.973(6) b = 5.955(3) c = 7.766(6) $\beta = 112.20(6)^{\circ}$ Z = 2

X-ray Powder Pattern: Tsumeb, Namibia. 3.246(100), 2.988(60), 2.769(60), 4.85(50), 2.107(50), 3.659(30), 2.293(30)

Chemistry:

weak.

	(1)
SO_3	5.3
As_2O_5	22.1
FeO	1.8
ZnO	7.3
PbO	61.4
$\rm H_2O$	[2.1]
Total	[100.0]

(1) Tsumeb, Namibia; by electron microprobe, average of seven analyses, total Fe as FeO, H₂O by difference; with $(OH)^{1-}$ supplied for charge balance, corresponds to $Pb_{2.09}(Zn_{0.68}Fe_{0.18}^{2+})_{\Sigma=0.86}$ $[(\mathrm{AsO}_4)_{1.46}(\mathrm{SO}_4)_{0.50}]_{\Sigma=1.96}(\mathrm{OH})_{0.52}\bullet0.62\mathrm{H}_2\mathrm{O}.$

Mineral Group: Brackebuschite group.

Occurrence: A very rare secondary mineral, in a cavity in chalcocite, from an oxidized zone in a dolostone-hosted hydrothermal polymetallic ore deposit.

Association: Goethite, anglesite, wulfenite, chalcocite, arsendescloizite, gypsum.

Distribution: From Tsumeb, Namibia.

Name: To honor Dr. Mark N. Feinglos (1948–), American medical researcher and mineral collector specializing in Tsumeb minerals, Durham, North Carolina, USA, who first noted the mineral.

Type Material: The Natural History Museum, London, England, 1984,943; Harvard University, Cambridge, Massachusetts, USA, 95.66.

References: (1) Clark, A.M., A.J. Criddle, A.C. Roberts, M. Bonardi, and E.A. Moffatt (1997) Feinglosite, a new mineral related to brackebuschite, from Tsumeb, Namibia. Mineral. Mag., 61, 285–289. (2) (1998) Amer. Mineral., 83, 653–654 (abs. ref. 1). (3) (1998) Amer. Mineral., 83, 1121 (erratum in ref. 2).

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