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Crystal Data: Orthorhombic (?). Point Group: n.d. As divergent sprays of bladed crystals, commonly composed of tiny microcrystals, to 250 μ m; as radial aggregates and hemispherules of such crystals, to 3 mm.

Hardness = ~ 1 D(meas.) = 2.93(10) D(calc.) = n.d. **Physical Properties:**

Optical Properties: Semitransparent. Color: Dark brownish red. Streak: Brownish red. Luster: Vitreous to submetallic on prism surfaces.

Optical Class: Biaxial (-). Pleochroism: Strong; X = Y = red-brown; Z = vellow-brown. Absorption: X = Y > Z. $\alpha = 1.775(5)$ $\beta = 1.798(3)$ Dispersion: r < v, very strong. $\gamma = 1.800(3)$ 2V(meas.) = 25°

Cell Data: Space Group: n.d. $\mathbf{Z} = \mathbf{n}.\mathbf{d}.$

X-ray Powder Pattern: Franklin, New Jersey, USA. 11.3(100), 2.567(40), 3.548(30), 2.898(30), 2.262(25), 2.238(25), 1.470(25)

Chemistry:

	(1)	(2)
SiO_2	20.1	21.56
Al_2O_3	1.0	
Fe_2O_3	0.5	
Mn_2O_3	56.3	56.65
As_2O_5	1.0	
MgO	0.9	
CaO	5.1	6.71
H_2O	[15.1]	15.08
Total	[100.0]	100.00

(1) Franklin, New Jersey, USA; by electron microprobe, H_2O by difference; corresponds to $(Ca_{0.76}Mg_{0.19})_{\Sigma=0.95}(Mn_{5.97}^{3+}Fe_{0.05}^{3+})_{\Sigma=6.02}(Si_{2.80}Al_{0.16}As_{0.07}^{5+})_{\Sigma=3.03}O_{16}\bullet7.1H_2O.$ (2) $CaMn_6Si_3O_{16}\bullet7H_2O.$

Occurrence: In a metamorphosed stratiform zinc deposit, on surfaces of ore and on secondary carbonate minerals.

Association: Franklinite, calcite, fluorite, willemite, kittatinnyite.

Distribution: From Franklin, Sussex Co., New Jersey, USA.

Name: For Richard C. Bostwick, collector of Franklin minerals and expert in mineral fluorescence.

Type Material: Harvard University, Cambridge, Massachusetts, 125617–125620; National Museum of Natural History, Washington, D.C., USA, C4222.

References: (1) Dunn, P.J. and P.B. Leavens (1983) Bostwickite, a new calcium manganese silicate hydrate from Franklin, New Jersey. Mineral. Mag., 47, 387–389. (2) (1984) Amer. Mineral., 69, 810 (abs. ref. 1).