Crystal Data: Hexagonal. Point Group: 6/m 2/m 2/m. Crystals stubby prismatic, slightly curved, with $\{0001\}$, $\{11\overline{2}0\}$, $\{11\overline{2}1\}$, to 0.3 mm.

Physical Properties: Cleavage: $\{11\overline{2}0\}$, poor. Fracture: Brittle. Hardness = 3 D(meas.) = 6.33(15) D(calc.) = 6.33

Optical Properties: Semitransparent. Color: Colorless, water-green, yellow-green, may be zoned or sectored. Streak: White. Luster: Adamantine. Optical Class: Uniaxial (-), anomalously slightly biaxial. $\omega = 1.977(2)$ $\epsilon = 1.967$ 2V(meas.) = Small.

Cell Data: Space Group: P6/mmm. a = 8.472(5) c = 5.208(5) Z = 1

X-ray Powder Pattern: Tombstone, Arizona, USA. 3.284(10), 2.997(8), 2.446(6), 1.896(6), 1.603(6), 2.773(5), 1.177(5)

Chemistry:		(1)	(2)
	TeO_3	14.0	14.26
	As_2O_5	10.4	9.33
	CuO	1.2	
	ZnO	17.6	19.83
	PbO	55.3	54.38
	H_2O	1.5	2.20
	Total	[100.0]	100.00

(1) Tombstone, Arizona, USA; average of four analyses for Pb, Zn, Cu, three for Te, and two for As, H₂O by the Penfield method; recalculated to 100% after deduction of insoluble 3.63% average. (2) $Pb_3Zn_3(TeO_6)(AsO_4)(OH)_3$.

Occurrence: An alteration product of khinite and parakhinite, formed under acid oxidizing conditions from gold-telluride ores in massive vein quartz (Tombstone, Arizona, USA).

Association: Khinite, parakhinite, bromargyrite, chlorargyrite, cerussite, emmonsite, other tellurium oxysalts (Tombstone, Arizona, USA).

Distribution: In the USA, from the Emerald and Old Guard mines, and the Joe shaft, Tombstone, Cochise Co., Arizona; at the Centennial Eureka mine, Tintic district, Juab Co., Utah. From the Moctezuma (Bambolla) mine, 12 km south of Moctezuma, Sonora, Mexico.

Name: To honor Marjorie Duggan (1927–), American analytical chemist, who first analyzed Te^{6+} from nature.

Type Material: The Natural History Museum, London, England, 1980,544; Harvard University, Cambridge, Massachusetts, 119093; National Museum of Natural History, Washington, D.C., USA, 162207.

References: (1) Williams, S.A. (1978) Khinite, parakhinite, and dugganite, three new tellurates from Tombstone, Arizona. Amer. Mineral., 63, 1016–1019.