Crystal Data: Hexagonal. *Point Group*: $\bar{3}$. As thick tabular to short prismatic crystals to 50 μm exhibiting {100} and {001} or {101} and {001}.

Physical Properties: *Cleavage*: Perfect on {001}. *Tenacity*: Brittle. *Fracture*: Irregular Hardness = 2-3 D(meas.) = n.d. D(calc.) = 5.552 Soluble in dilute HCl.

Optical Properties: Transparent. *Color*: Bluish green. *Streak*: Pale bluish green.
Luster: Adamantine.
Optical Class: Uniaxial (–). ω = 2.04 ε = 1.97 *Pleochroism*: Bluish green. *Absorption*: $E < O$.

Cell Data: *Space Group*: $R\bar{3}$. a = 8.4035(12) c = 44.681(4) Z = 6

X-ray Powder Pattern: Otto Mountain, near Baker, California, USA.
3.733 (100), 1.9637 (87), 2.749 (53), 2.6686 (49), 1.8999 (48), 6.106 (44), 1.5843 (44)

Chemistry:	(1)	(2)
PbO	41.45	43.97
CuO	30.35	31.34
Al_2O_3	0.23	
TeO_3	12.80	11.53
Cl	12.08	11.64
H_2O	[3.55]	4.14
$-O=Cl_2$	2.73	2.63
Total	97.73	100.00

(1) Otto Mountain, near Baker, California, USA; average of 2 electron microprobe analyses, low analytical total ascribed to electron beam damage, H_2O calculated from stoichiometry; corresponds to $Pb_{2.88}Cu^{2+}_{5.92}Al_{0.07}Te^{6+}_{1.13}O_{6.59}(OH)_{6.12}Cl_{5.29}$. (2) $Pb_3Cu^{2+}_6Te^{6+}O_6(OH)_7Cl_5$.

Occurrence: A secondary phase formed by partial oxidation of tellurides, chalcopyrite and galena in quartz veins.

Association: Br-rich chlorargyrite, iodargyrite, telluroperite (association 1); paratacamite, anglesite, anatacamite, atacamite, chalcopyrite, galena, goethite, hematite, muscovite, phosphohedyphane, timroseite, wulfenite (association 2).

Distribution: From the NE2 vein and the Bird Nest drift, Otto Mountain, near Baker, California, USA.

Name: Honors Otto Fuetterer (1880-1970), who is largely responsible for the development of the mining claims on Otto Mountain.

Type Material: Natural History Museum of Los Angeles County, Los Angeles, California, USA (63588 and 64589).

References: (1) Kampf, A.R., S.J. Mills, R.M. Housley, and J. Marty (2013) Lead-tellurium oxysalts from Otto Mountain near Baker, California: VIII. Fuettererite, $Pb_3Cu^{2+}_6Te^{6+}O_6(OH)_7Cl_5$, a new mineral with double spangolite-type sheets. Amer. Mineral., 98, 506-511.