Crystal Data: Monoclinic. *Point Group*: 2/m. Crystals are diamond-shaped and tabular on {100} to $250 \,\mu$ m, in subparallel to fanlike aggregates.

Physical Properties: *Cleavage*: Perfect on $\{100\}$. *Fracture*: Irregular. *Tenacity*: Brittle. Hardness = 2-3 D(meas.) = n.d. D(calc.) = 6.062

Optical Properties: Transparent. *Color*: Lime-green. *Streak*: Pale lime-green. *Luster*: Adamantine.

Optical Class: Biaxial (+). α (calc.) = 1.953 β (calc.) = 1.966 γ (calc.) = 2.039 2V(meas.) = 47(2)° *Dispersion*: strong, r < v. *Orientation*: Y = b; $Z^{\wedge} a = 34^{\circ}$ (in obtuse β). *Pleochroism*: strong, Z = pale green <<< X = green < Y = green. *Absorption*: Z <<< X < Y.

Cell Data: Space Group: $P2_1/c$. a = 14.3126(10) b = 5.2267(3) c = 9.4878(5) $\beta = 106.815(7)^{\circ}$ Z = 2

X-ray Powder Pattern: Bird Nest drift, Otto Mountain, San Bernardino County, California, USA. 2.614 (100), 2.999 (97), 1.509 (83), 2.701 (79), 4.522 (66), 1.727 (65), 3.48 (62)

Chemistry:	(1)	(2)
PbO	34.22	36.24
CaO	0.06	
CuO	23.80	25.83
TeO ₃	26.34	28.51
SO_3	5.74	6.50
H_2O	[2.81]	2.92
Total	92.97	100.00

(1) Bird Nest drift, Otto Mountain, San Bernardino County, California, USA; average of 4 electron microprobe analyses, supplemented by Raman and IR spectroscopy, H_2O calculated from structure; corresponds to $Pb_{2.05}Ca_{0.01}Cu^{2+}_{3.99}Te^{6+}_{2.00}S_{0.96}O_{17.00}H_{4.16}$. (2) $Pb_2Cu^{2+}_4Te^{6+}_2O_{10}(OH)_2(SO_4)(H_2O)$.

Occurrence: A secondary mineral in vugs in quartz formed from the partial oxidation of primary sulfides and tellurides during or following the brecciation of quartz veins.

Association: Khinite, cerussite, goethite, hematite.

Distribution: From the Bird Nest drift, SW flank of Otto Mountain, near Baker, San Bernardino County, California, USA.

Name: Honors Jerry A. Baird (b. 1940) of Lake Havasu City, Arizona, USA. Baird, a mineral collector for 45 years, has collected extensively at Otto Mountain and has provided numerous samples for research.

Type Material: Natural History Museum of Los Angeles County, Los Angeles, California, USA (64000 and 64001).

References: (1) Kampf, A.R., S.J. Mills, R.M. Housley, G.R. Rossman, J. Marty, and B. Thorne (2013) Lead-tellurium oxysalts from Otto Mountain near Baker, California: X. Bairdite, $Pb_2Cu^{2+}_4Te^{6+}_2O_{10}(OH)_2(SO_4)(H_2O)$, a new mineral with thick HCP layers. Amer. Mineral., 98, 1315-1321.