Crystal Data: Triclinic. *Point Group*: 1. As platy crystals in rosette-like aggregates to 0.5 mm.

Physical Properties: Cleavage: One perfect on $\{111\}$ (by analogy to gartrellite). Tenacity: Brittle. Fracture: Irregular. Hardness = ~ 3 D(meas.) = > 3.8 D(calc.) = 5.31

Optical Properties: Translucent. Color: Yellow to greenish yellow. Streak: Yellow.

Luster: Vitreous.

Optical Class: Biaxial (+) (by analogy to gartrellite). n(minimum) = 1.906(5)

n(maximum) = 1.963(5) Pleochroism: Weak, pale yellow to colorless to yellow and pale orange.

Cell Data: *Space Group*: $P\overline{1}$. a = 5.444(2) b = 5.640(2) c = 7.518(2) $\alpha = 67.89(2)^{\circ}$ $\beta = 69.48(2)^{\circ}$ $\gamma = 70.18(2)^{\circ}$ Z = 1

X-Ray Diffraction Pattern: Kintore open cut, Broken Hill, New South Wales, Australia. 2.949 (100), 2.492 (80), 3.286 (65), 1.110 (50), 2.850 (45), 2.891 (40), 2.501 (40)

Chemistry:		(1)	(2)
	PbO	36.43	36.56
	CuO	12.98	13.03
	ZnO	0.74	
	Fe_2O_3	4.08	
	Al_2O_3	5.14	8.35
	As_2O_5	36.25	37.64
	H_2O	[4.38]	4.43
	Total	100.00	100.00

(1) Kintore open cut, Broken Hill, New South Wales, Australia; average electron microprobe analysis supplemented by IR spectroscopy, H₂O by difference; corresponds to Pb_{1.02}Cu_{1.02}Al_{0.63}Fe_{0.32}Zn_{0.06}(AsO₄)_{1.98}(OH)_{1.11}•(H₂O)_{0.97}. (2) PbCuAl(AsO₄)₂OH•H₂O.

Mineral Group: Tsumcorite group.

Occurrence: Secondary in the weathering zone of a Cu-Pb-Zn sulfide deposit.

Association: Gartrellite, beudantite-segnitite, mimetite, agardite-Y, carminate, chlorargyrite.

Distribution: From the Kintore open cut, Broken Hill, New South Wales, Australia.

Name: For Yancowinna County, New South Wales, where the studied samples were collected.

Type Material: South Australia Museum, Adelaide, South Australia (G33029).

References: (1) Elliott, P. and A. Pring (2015) Yancowinnaite, a new mineral from the Kintore open cut, Broken Hill, New South Wales. Australian J. Mineral., 17, 73-76.