Crystal Data: Hexagonal. *Point Group*: 3*m*. As prismatic crystals and irregular grains to 0.2 mm.

Physical Properties: *Cleavage*: None. *Tenacity*: Brittle. *Fracture*: Uneven. Hardness = 2-2.5 VHN = 91-100, 94 average (10 g load). D(Meas.) = n.d. D(calc.) = 4.356 Nonfluorescent.

Optical Properties: Transparent. *Color*: Dark cherry-red, grayish white in reflected light.
Streak: Red. *Luster*: Adamantine.
Optical Class: *Anisotropism*: Strong, light gray to brown. *Pleochroism*: Moderate, orange-red to dark red. *Bireflectance*: Very weak.
R_1-R_2: (470) 23.49-25.47, (546) 23.42-23.50, (589) 22.25-22.38, (650) 21.04-21.70

Cell Data: *Space Group: P*31*c*. *a* = 9.6392(2) *c* = 6.456(1) Z = 2

X-Ray Diffraction Pattern: Vorontsovskoe gold deposit, Northern Urals, Russia.
2.86 (100), 5.11 (80), 4.83 (70), 2.55 (60), 3.49 (50), 2.68 (30), 3.23 (20)

Chemistry:

	(1)	(2)
Mn	8.28	8.13
Tl	30.04	30.17
Pb	0.23	
As	31.80	33.25
Sb	2.27	
S	28.58	28.42
Total	101.20	100.00

(1) Vorontsovskoe gold deposit, Northern Urals, Russia; average electron microprobe and Raman spectroscopic analyses; corresponds to $Mn_{1.01}Tl_{0.99}Pb_{0.01}As_{2.86}Sb_{0.13}S_{6.00}$. (2) $MnTlAs_3S_6$.

Occurrence: In limestone breccias cemented by realgar, orpiment, baryte, pyrite, clinochlore, fluorapatite, quartz, and talc.

Association: Alabandite, bernardite, christite, cinnabar, coloradoite, dalnegroite, gillulyite, gold, hutchinsonite, imhofite, lorandite, metacinnabar, philrothite, rebulite, routhierite, sphalerite, vrbaite.

Distribution: From the Vorontsovskoe gold deposit, ~13 km south of Krasnotur'insk, Sverdlovskaya Oblast', Northern Urals, Russia.

Name: Honors Russian geologist Boris Aleksandrovich *Gladkovsky* (1937-1990), who discovered the Vorontsovskoe gold deposit.

Type Material: A.E. Fersman Mineralogical Museum, Russian Academy of Sciences, Moscow, Russia (5248/1).

References: (1) Kasatkin, A.V., E. Makovicky, J. Plášil, R. Škoda, N.V. Chukanov, S.Y. Stepanov, A.A. Agakhanov, and F. Nestola (2019) Gladkovskyite, $MnTlAs_3S_6$, a new thallium sulfosalt from the Vorontsovskoe gold deposit, Northern Urals, Russia. J. Geosciences, 64, 207-218.