Crystal Data: Monoclinic. *Point Group*: 2/*m*. As crystals to 40 μm within grains of Pt_3Fe alloy.

Physical Properties: *Cleavage*: None. *Tenacity*: Brittle. *Fracture*: n.d. Hardness = 5.5
D(meas.) = n.d. D(calc.) = 8.318

Optical Properties: Opaque. *Color*: In reflected light, gray with bluish-greenish tint, yellow-greenish tint in oil. *Streak*: Black. *Luster*: Metallic.
Optical Class: Weak bireflectance and anisotropy.
R_1-R_2: (470) 29.3-30.1, (546) 31.0-32.2, (589) 32.0-33.4, (650) 33.7-35.1

Cell Data: *Space Group: C*2/*m*. a = 10.877(1) b = 11.192(1) c = 6.4796(6) β = 108.887(2)° Z = 6

X-Ray Diffraction Pattern: Kazan placer, Gogino placer zone, Chelyabinsk region, Russia.
3.199 (100), 3.061 (87), 3.275 (75), 2.568 (62), 2.545 (41), 5.43 (37), 3.413 (34)

Chemistry:

	(1)	(2)
Ir	7.77	
Ru	0.21	
Rh	36.90	49.44
Pt	14.26	
Pd	0.14	
Fe	0.06	
S	6.15	
Se	34.66	50.56
Te	0.45	.
Total	100.58	100.00

(1) Kazan placer, Gogino placer zone, Chelyabinsk region, Russia; average EDS analysis; corresponds to $(Rh_{2.26}Pt_{0.46}Ir_{0.25}Ru_{0.01}Pd_{0.01}Fe_{0.01})_{\Sigma=3.00}(Se_{2.77}S_{1.21}Te_{0.02})_{\Sigma=4.00}$. (2) Rh_3Se_4.

Polymorphism & Series: Continuous solid solution series with kingstonite.

Mineral Group: The Se analogue of kingstonite.

Occurrence: In heavy mineral concentrates from a placer deposit, possibly derived from serpentinised dunite-harzburgite or gabbro-clinopyroxenite-dunite complexes nearby.

Association: Unnamed Pd-Sb-Te phase, Au-Pd alloy.

Distribution: From the Kazan gold-bearing placer, Gogino placer zone, 100-150 km south southeast of Magnitogorsk, Chelyabinsk region, Russia.

Name: Honors Victor Vladimirovich *Zaykov* (1938-2017), Russian geologist and geo-archaeologist, for contributions to the study of PGE minerals from gold placers of the Urals and other regions.

Type Material: A.E. Fersman Mineralogical Museum, Russian Academy of Sciences, Moscow, Russia (5395/1).

References: (1) Belogub, E.V., S.N. Britvin, V.V. Shilovskikh, L.A. Pautov, V.A. Kotlyarov, and E.V. Zaykova (in press 2022) Zaykovite, Rh_3Se_4, a new mineral from the Kazan placer (South Urals, Russia). Mineral. Mag, (manuscript). (2) Miyawaki, R., F. Hatert, M. Pasero, and S.J. Mills (2020) IMA Commission on New Minerals, Nomenclature and Classification (CNMNC) Newsletter 54. Mineral. Mag., 84, 362.