Crystal Data: Orthorhombic. *Point Group*: 2/*m* 2/*m* 2/*m*. As euhedral spindles to 2 μm × 15 μm in quartz.

Physical Properties: *Cleavage*: n.d. *Tenacity*: Brittle. *Fracture*: n.d. Hardness = n.d.
D(meas.) = n.d. D(calc.) = 6.08

Optical Properties: Opaque. *Color*: Light gray in reflected light. *Streak*: n.d. *Luster*: Metallic.
Optical Class: *Anisotropism*: Strong, light blue, dark blue, khaki and orange-brown.
Pleochroism: White to cream.
R_1-R_2: (470) 50.9-56.5, (546) 50.2-56.7, (589) 49.5-55.3, (650) 48.7-53.4

Cell Data: *Space Group: Pnma*. a = 11.52 b = 4.16 c = 4.44 Z = 4

X-Ray Diffraction Pattern: Synthetic SnSe.
2.875 (100), 1.833 (10), 1.437 (9), 2.934 (7), 2.378 (7), 2.086 (5), 3.517 (4)

Chemistry:

	(1)	(2)
Sn	61.30	60.05
Se	37.22	39.95
S	1.25	.
Total	99.79	100.00

(1) Ozernovskoe deposit, Kamchatka peninsula, Russia; average electron microprobe analysis; corresponding to $Sn_{1.01}(Se_{0.92}S_{0.07})_{\Sigma=0.99}$. (2) SnSe.

Occurrence: In quartz veins in a high-sulfidation, volcanic hosted, epithermal gold deposit.

Association: Quartz, cassiterite, rutile, mohite, mawsonite, kiddcreekite, hemusite, tellurium, kostovite, Se-bearing 'fahlores' (Se-goldfieldite, Se(Bi)-tetrahedrite, Se-tennantite).

Distribution: From the Ozernovskoe deposit, Kamchatka peninsula, Russia.

Name: Honors Dr. *Svetlana* Konstantinovna Smirnova, a Russian mineralogist, Institute of Geology and Geophysics, Academy of Sciences of Uzbekistan, for her contributions to understanding the geology of epithermal Au-Ag deposits of the Tien-Shan region.

Type Material: Department of Earth Sciences, Natural History Museum, London, England (BM 2020, 2).

References: (1) Okrugin, V.M., A. Vymazalová, V.V. Kozlov, F. Laufek, C.J. Stanley, and I.A. Shkilev (2022) Svetlanaite, SnSe, a new mineral from the Ozernovskoe deposit, Kamchatka peninsula, Russia. Mineral. Mag., 86, 234-242.