**Crystal Data:** Orthorhombic. Point Group: 2/m 2/m 2/m or mm2. Crystals are short prismatic, elongated along [010], pseudohexagonal, to 0.07 mm, showing {001}, {010}, {101}; may be fibrous, and in crusts.

**Physical Properties:** Cleavage: Perfect on  $\{001\}$ . Tenacity: Brittle. Hardness = 3 D(meas.) = 2.67(2) D(calc.) = [2.62]

**Optical Properties:** Transparent to translucent. Color: Yellow-brown, light pink, flesh-red to reddish brown. Streak: White. Luster: Vitreous, silky in aggregates. Optical Class: Biaxial (+). Orientation: X = c; Y = a; Z = b.  $\alpha = 1.552(2)$   $\beta = 1.552(2)$  $\gamma = 1.558(2)$  2V(meas.) = 23(5)°

**Cell Data:** Space Group: Pcmm,  $Pcm2_1$ , or Pc2m. a = 12.829(4) b = 8.335(2)c = 18.312(3) Z = 4

X-ray Powder Pattern: Zheleznyi iron mine, Russia. 10.51 (100), 3.081 (78), 2.969 (44), 3.054 (41), 3.520 (34), 2.839 (34), 3.874 (32)

Chemistry:

	(1)
$P_2O_5$	36.25
MnO	1.55
MgO	26.55
CaO	0.1
$\operatorname{SrO}$	1.8
BaO	16.95
$\rm H_2O$	17.5
Total	100.70

(1) Zheleznyi iron mine, Russia; by electron microprobe, average of two analyses, total Mn as MnO, H<sub>2</sub>O by the Penfield method; corresponds to  $(Mg_{5.05}Mn_{0.17})_{\Sigma=5.22}(Ba_{0.85}Sr_{0.13}Ca_{0.01})_{\Sigma=0.99}$  $(P_{0.98}O_4)_4 \bullet 7.45H_2O.$ 

**Occurrence:** In cavities in dolomitic carbonatites cutting jacupirangite and forsterite-magnetite iron ores in a differentiated alkalic massif.

**Association:** Collinsite, bobierrite, carbonate-fluorapatite, strontiowhitlockite, pyrite.

**Distribution:** From the Zheleznyi iron mine, Kovdor massif, Kola Peninsula, Russia.

Name: Honoring Professor Ol'ga Mikhailonova Rimskava-Korsakova [RIMskava-KORsakova, OLGa] (1914–1987), mineralogist, St. Petersburg University, St. Petersburg, Russia, who researched the Kovdor massif.

**Type Material:** St. Petersburg University, St. Petersburg; Mining Institute, St. Petersburg, Russia, 2035/1.

References: (1) Britvin, S.N., Y.A. Pakhomovskii, A.N. Bogdanova, A.P. Khomyakov, and N.I. Krasnova (1995) Rimkorolgite (Mg, Mn)<sub>5</sub>(Ba, Sr, Ca)(PO<sub>4</sub>)<sub>4</sub> • 8H<sub>2</sub>O - a new mineral from the Kovdor iron deposit, Kola Peninsula. Zap. Vses. Mineral. Obshch., 124(1), 90–95 (in Russian). (2) (1996) Amer. Mineral., 81, 517–518 (abs. ref. 1).