

**Crystal Data:** Orthorhombic. *Point Group:* n.d. As pseudo-hexagonal plates pseudomorphic after an unknown mineral, consisting of fibers intimately mixed with pyrite.

**Physical Properties:** Hardness = n.d. VHN = n.d. D(meas.) = 6.4(2) D(calc.) = 6.29

**Optical Properties:** Opaque. *Color:* Brilliant bronze; in polished section, creamy grayish white perpendicular to the fibers, and rose colored parallel. *Luster:* Metallic. *Pleochroism:* Strong, grayish white to rose. *Anisotropism:* Strong, with orange dominant.

R<sub>1</sub>-R<sub>2</sub>: (400) 23.7-28.0, (420) 24.1-30.4, (440) 24.5-32.8, (460) 24.8-33.6, (480) 25.0-31.8, (500) 25.1-29.8, (520) 25.2-30.2, (540) 25.4-32.1, (560) 25.6-34.3, (580) 25.7-36.3, (600) 25.8-38.0, (620) 26.0-39.5, (640) 26.3-40.7, (660) 26.6-41.5, (680) 26.9-42.0, (700) 27.2-42.4

**Cell Data:** *Space Group:* n.d. *a* = 12.40(5) *b* = 10.44(5) *c* = 5.26(5) *Z* = 8

**X-ray Powder Pattern:** Allchar, Yugoslavia.  
2.89 (vvs), 4.17 (s), 3.35 (s), 2.64 (m), 2.35 (m), 4.70 (w), 6.03 (vw)

Chemistry:	(1)	(2)	(3)
Tl	62.50	61.3	63.01
Fe	17.10	19.7	17.22
S	19.50	20.2	19.77
Total	99.10	101.2	100.00

(1-2) Allchar, Yugoslavia; by electron microprobe. (3) TlFeS<sub>2</sub>.

**Occurrence:** Formed in a hydrothermal deposit.

**Association:** Pyrite, lorandite, orpiment, realgar, vrbaita.

**Distribution:** From Allchar, Macedonia, Yugoslavia.

**Name:** For Professor E. Raguin, National School of Mines, Paris, France.

**Type Material:** National School of Mines, Paris, France.

**References:** (1) Laurent, Y., P. Picot, R. Pierrot, and T. Ivanov (1969) La raguinite, TlFeS<sub>2</sub>, une nouvelle espèce minérale et le problème de l'allcharite. Bull. Soc. fr. Minéral., 92, 38-48 (in French with English abs.). (2) (1969) Amer. Mineral., 54, 1495 (abs. ref. 1). (3) Johan, Z., P. Picot, and R. Pierrot (1969) Nouvelles données sur la raguinite. Bull. Soc. fr. Minéral., 92, 237 (in French). (4) (1969) Amer. Mineral., 54, 1741 (abs. ref. 3).