

Crystal Data: Monoclinic. *Point Group:* $2/m$, m , or 2 . As isolated thin micalike flakes, to 1 mm.

Physical Properties: *Cleavage:* Perfect on {001}. *Fracture:* Conchoidal. *Tenacity:* Brittle. Hardness = ~ 2 VHN = 45 average (5 mg load). D(meas.) = n.d. D(calc.) = 5.18

Optical Properties: Opaque. *Color:* Brown; creamy white with a slight yellowish tint in reflected light. *Streak:* Brownish gray. *Luster:* Metallic.

Optical Class: Biaxial. *Anisotropism:* Distinct, reddish brown to bluish gray.

Birefractance: Weak.

R₁–R₂: (400) 34.0–37.0, (420) 34.9–37.9, (440) 36.2–39.3, (460) 37.9–40.9, (480) 39.6–42.6, (500) 41.3–44.2, (520) 42.8–45.7, (540) 44.2–47.0, (560) 45.4–48.3, (580) 46.5–49.4, (600) 47.5–50.4, (620) 48.4–51.2, (640) 49.2–51.8, (660) 49.8–52.2, (680) 50.4–52.6, (700) 51.1–52.8

Cell Data: *Space Group:* $C2/m$, Cm , or $C2$. $a = 11.66(3)$ $b = 6.91(1)$ $c = 10.92(3)$
 $\beta = 97.43(20)^\circ$ $Z = 2$

X-ray Powder Pattern: Near Leogang, Austria (some preferred orientation).
2.547 (100), 5.75 (70), 5.09 (70), 3.33 (60), 2.683 (60), 3.71 (50), 2.609 (30)

Chemistry:

	(1)	(2)
Ni	35.2	34.53
Hg	43.3	44.25
S	20.6	21.22
Total	99.1	100.00

(1) Near Leogang, Austria; by electron microprobe, average of seven analyses; corresponding to Ni_{8.22}Hg_{2.96}S_{8.82}. (2) Ni₈Hg₃S₉.

Occurrence: On an old museum specimen from a polymetallic Hg–Pb-rich dolostone stratabound ore deposit.

Association: Cinnabar, mercury, polydymite, galena, sphalerite, tennantite, pyrite.

Distribution: From the Erasmus mine (probable), Schwarzleo district, near Leogang, Salzburg, Austria [TL].

Name: To honor Dr. Donald C. Harris (1936–), Geological Survey of Canada, Ottawa, Canada, for his contributions to ore mineralogy.

Type Material: Landesmuseum Joanneum, Graz, Austria, LMJ-210; Institute of Geosciences, University of Salzburg, Salzburg, Austria; The Natural History Museum, London, England; Geological Survey of Canada, Ottawa. 65207; Royal Ontario Museum, Toronto, Canada.

References: (1) Paar, W.H., T.T. Chen, A.C. Roberts, A.J. Criddle, and C.J. Stanley (1989) Donharrisite, nickel-mercury sulfide, a new mineral species from Leogang, Salzburg Province, Austria. *Can. Mineral.*, 27, 257–262. (2) (1990) *Amer. Mineral.*, 75, 706 (abs. ref. 1).