Crystal Data: Isometric. *Point Group*: $2/m\bar{3}$. As imperfect crystals to 0.3 mm in composite grains with other minerals.

Physical Properties: *Cleavage*: None. *Fracture*: Uneven. *Tenacity*: Brittle.
Hardness = 4-5 VHN = 429-455 (25 g load). D(meas.) = n.d. D(calc.) = 7.59

Optical Properties: Opaque. *Color*: Lead-gray, cream to creamy gray in reflected light.
Streak: Black. *Luster*: Metallic.
Optical Class: Isotropic.
$R_{air/oil}$ = (470) 47.5/33.3, (546) 46.9/32.6, (589) 46.8/32.6, (650) 48.0/34.0

Cell Data: *Space Group*: $Pa\bar{3}$. a = 6.089(4) Z = 4

X-ray Powder Pattern: Buraco do Ouro gold mine, Cavalcante town, Goiás State, Brazil.
1.838 (100), 1.172 (95), 0.929 (90), 1.077 (80), 3.027 (75), 0.988 (70), 0.918 (70)

Chemistry:

	(1)	(2)
Pd	41.32	40.88
As	27.49	28.78
Bi	0.35	
Sb	1.59	
Se	27.67	30.33
S	1.22	.
Total	99.64	100.00

(1) Buraco do Ouro gold mine, Cavalcante town, Goiás State, Brazil; average of 8 electron microprobe analyses; corresponds to $Pd_{1.006}(As_{0.950}Sb_{0.034}Bi_{0.004})_{\Sigma=0.988}(Se_{0.908}S_{0.099})_{\Sigma=1.007}$.
(2) PdAsSe.

Occurrence: In a hydrothermal gold deposit in quartz-muscovite-rich zones of a mylonite cutting peraluminous granite.

Association: Gold, bohdanowicszite, guanajuatite, clausthalite, stibiopalladinite, sperrylite, padmaite, chalcopyrite, muscovite, quartz, tourmaline, magnetite.

Distribution: From the Buraco do Ouro gold mine, Cavalcante town, Goiás State, central Brazil.

Name: For the *Kalunga* people, a community of descendants of African slaves living in Cavalcante and other towns near the locality that produced the first specimens.

Type Material: Natural History Museum, London, England (BM2004,35).

References: (1) Botelho, N.F., M.A. Moura, R.C. Peterson, C.J. Stanley, and D.V.G. Silva (2006) Kalungaite, PdAsSe, a new platinum-group mineral from the Buraco do Ouro gold mine, Cavalcante, Goiás State, Brazil. Mineral. Mag., 70(1), 123-130. (2) (2006) Amer. Mineral., 91, 1454-1455 (abs. ref. 1).