

NEW MINERAL NAMES

Stibiopalladinite

R. ADAM: A new platinum mineral from the Potgietersrust platinum fields. *Jour. Chem. Met. Min. Soc. South Africa*, 29, 249-250, 1927. *cf. Am. Mineral.*, 13, 201, 1928.

CHEMICAL PROPERTIES: *cf. Am. Mineral.*, *op. cit.*

MINERALOGICAL PROPERTIES: Color white with distinct tinge of yellowish rose. Between crossed nicols it is completely dark gray when unetched, but shows a weak color change when etched. Etches with aqua regia with development of grain structure. With HCl and $KClO_3$ it etches readily, the individual grains becoming light yellowish to yellowish brown. Continued etching with this reagent gives an adherent precipitate. After etching it shows an indistinct radial structure of thick short prisms.

W. F. FOSHAG

Kleibelsbergite

VICTOR ZSIVNY: Kleibelsbergit, ein neues Mineral von Felsöbánya (Kleibelsbergite a new mineral from Felsöbánya). *Mat. Természettud. Értesítő*, 46, 19-24, 1929. German summary.

CHEMICAL PROPERTIES: A basic sulfate of antimony with water. Fusible. Dissolves in strong hydrochloric acid.

CRYSTALLOGRAPHICAL PROPERTIES: Monoclinic: Forms (010), (001), (101), ($\bar{1}01$). $\beta = 88.2^\circ$.

PHYSICAL AND OPTICAL PROPERTIES: Color sulfur yellow. Biaxial negative. $Bx_a = X = b$. $Y:c = +1.8^\circ$. $n > 1.74$. Brittle.

OCCURRENCE: Found as fine radiated needles on stibnite crystals at Felsöbánya, Hungary.

W. F. F.

Lessingite

V. SILBERMINZ: Sur le gisement de célite, de bastnaésite et d'un minéral nouveau, la lessingite, dans le district minier de Kychtym (Oural). (On the occurrence of cerite, bastnaesite and a new mineral, lessingite, in the district of Kychtym (Urals)). *Compt. Rend. Acad. Sci. URSS.*, Ser A., pp. 55-60, 1929.

NAME: In honor of F. Loewinson-Lessing, Russian petrologist.

CHEMICAL PROPERTIES: A silicate of calcium and the rare earths. Analysis: SiO_2 19.85, Al_2O_3 0.26, Fe_2O_3 0.65, Ce_2O_3 22.48, $(Di, La)_2O_3$ 36.65, $(Yt, Er)_2O_3$ 3.42, MnO 0.88, CaO 11.71, MgO 0.17, $(K, Na)_2O$ 0.08, P_2O_5 1.13, F 0.54, CO_2 0.35, $H_2O +$ 1.56, $H_2O -$ 0.38, $(O = F_2)$ 0.23. Sum 99.88.

PHYSICAL AND OPTICAL PROPERTIES: Color greenish to reddish yellow, on fresh fracture, cerise red. Luster vitreous. Hd. 4.5. Cleavage none.

$\gamma = 1.785$. Birefringence = .006 (approx.). $2V = 44^\circ$ (approx.). Non pleochroic.

OCCURRENCE: Found as rolled pebbles with bastnaesite (kychtymo-parisite), cerite, torneböhmite and allanite in the stream Motchaline-log, an affluent of the Borzovka River near Kychtym, Urals.

W. F. F.