Dr. Horace R. Blank, instructor in chemistry at the University of Pennsylvania and secretary of the Philadelphia Mineralogical Society, has been appointed instructor in mineralogy at Columbia University, New York City.

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## NEW MINERAL NAMES

### Bolivianite

ANTONIO PAULY: Bolivianite und Silesite zwei neue Mineralien der bolivianischen Zinnlagerstätten. (Bolivianite and silesite, two new minerals from the Bolivian tin deposits). *Centr. Min. Geol.*, 43–44 (**1926**).

NAME: This mineral is called *bolivianite* by the miners.

CHEMICAL COMPOSITION: A tin-copper sulphide. Analysis: Sn 35, Cu 25, S 33, with iron sometimes up to 10 percent. Some samples also show Ge and Ag. Fusible at 4.

CRYSTALLOGRAPHIC PROPERTIES: Trigonal. $c$ = about 0.8 Form, rhombohedrons.

PHYSICAL PROPERTIES: Color black with bluish tarnish, streak brownish yellow. Cleavage, rhombohedral, good. Hd 4–5. Sp. Gr. 4.1.

OCCURRENCE: Found in druses in the tin ores of Quimsa Cruz and Huanuni.

DISCUSSION: (A specimen of bolivianite in the collection of the U. S. National Museum agrees with Pauly's description but is sphalerite partially replaced by covellite. The term bolivianite has already been used for an antimonial silver sulphide. Abstr.)

W. F. FOSHAG

### Cannizzarite

F. ZAMBONINI, O. DE FIORE and G. CAROBBI: *Rend. Accad. Sci. Fis. Mat. Napoli*, (3) **31**, 24–29 (1925). Also *Annali del R. Osservatorio Vesuviano*, (3) **1**, 31–36 (1924).

CHEMICAL PROPERTIES: A bismuth sulphosalt of lead, $PbS.Bi_2S_3$. Analysis: Bi 66.00, Pb 15.79, FeO 0.51 Cu tr., S 17.70 (by difference).

CRYSTALLOGRAPHIC PROPERTIES: Probably orthorhombic. Crystals are striated prisms with the forms $b$ (010), $m$ (110), $a$ (100), $n$ (210), $q$ (130). (010) : (110) = 44°47′ to 46°40′.

PHYSICAL AND OPTICAL PROPERTIES: Color lead gray. Sp. Gr. 6.54. Hd. 2.

OCCURRENCE: Found in the deeper parts of fumaroles (Temp. 550–615° C) as flattened acicular crystals on Vulcano, Lipari Islands. The higher levels of the fumaroles carry sal ammoniac, realgar and sulphur.

DISCUSSION: (Very close to chiviatite and is probably identical with it. Abstr).

W. F. F.