

NEW MINERAL NAMES

Beiyinite

T. L. HO: Note on some rare earth minerals from Beiyin Obo, Suiyuan: *Bull. Geol. Soc. China.*, vol. 14, No. 2, pp. 279-282, 1935.

NAME: From the locality Beiyin Obo.

CHEMICAL PROPERTIES: Perhaps a lanthanum, cerium, yttrium, erbium-bearing mineral. Insoluble in HCl; soluble with difficulty in hot concentrated H₂SO₄ with effervescence; infusible.

PHYSICAL AND OPTICAL PROPERTIES: Color, greenish yellow in thin-section with feeble pleochroism. Hd. about 4.5. G.=4.829; cleavage, basal perfect. Uniaxial negative. $\omega = 1.7169$, $\epsilon = 1.7910$.

OCCURRENCE: Found as grains in fluorite veins at the iron ore deposits of Beiyin Obo, 150 Km., north of Paoto, Suiyuan, associated with fine grains of magnetite, pyrite, barite and oborite.

Resembles bastnaesite, except for lower index of extraordinary ray.

W. F. FOSHAG

Oborite

T. L. HO: *Ibid.*, pp. 279-282.

NAME: From the locality Beiyin Obo.

CHEMICAL PROPERTIES: Perhaps a lanthanum, cerium, yttrium, erbium mineral. Chemical reactions like beiyinite, but more insoluble.

CRYSTALLOGRAPHICAL PROPERTIES: Perhaps hexagonal.

PHYSICAL AND OPTICAL PROPERTIES: Color, greenish yellow in thin-section. Cleavage, perhaps rhombohedral, with $0001 \wedge 10\bar{1}1 = 51.2^\circ$. Hd. and G. like beiyinite.

OCCURRENCE: Like Beiyinite.

W. F. F.