

NEW MINERAL NAMES

Kotoite

TAKEO WATANABE: Kotoite, ein neues gesteinsbildendes Magnesiumborat. *Mineral. Petro. Mitt.*, **50**, 411-643 (1939).

NAME: In honor of the late Prof. Dr. Bundjirô Kotô, who first described the ore deposits of Hol Kol.

CHEMICAL PROPERTIES: A magnesium borate: $Mg_3B_2O_6$. Analysis: SiO_2 1.32; Al_2O_3 0.26; FeO 0.61; Fe_2O_3 0.20; CaO 0.18; MgO 62.78; B_2O_3 35.20; H_2O+110° 0.05; sum 100.60. Soluble in warm concentrated hydrochloric acid; scarcely attacked by cold dilute acid; the solution reacts for Fe, Mg and B. B.B. infusible.

CRYSTALLOGRAPHICAL PROPERTIES: Crystals not observed. Orthorhombic.

PHYSICAL AND OPTICAL PROPERTIES: Colorless. $H=6\frac{1}{2}$. $G=3.06-3.11$. Cleavage fairly good (110), simple gliding along (101). Biaxial (+). $2V=21 \pm 1$. $r>v$, plane of the optic axes (010). $Z=c$. $\alpha=1.652$, $\beta=1.653$, $\gamma=1.673$.

OCCURRENCE: Found in metamorphosed dolomitized marble, associated with forsterite, norbergite, spinel, ludwigite, szaibelyite, fluoborite, etc., at Hol Kol gold mine, Suan Korea and Rezbanya, Siebenbürgen.

W. F. FOSHAG

Verdelite

P. QUENSEL AND O. GABRIELSON: Minerals of the Varuträsk Pegmatite. XIV. The Tourmaline Group. *Geol. Fören. Förh. Stockholm*, **61**, 67 (1939).

The varietal name *verdelite* is proposed for the green lithium tourmaline to distinguish it from achroite (colorless), rubellite (red), indicolite (blue).

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Devadite

L. L. FERMOR: Notes on Vredenburgite (with Devadite) and on Sitaparite. *Proc. Nat. Inst. Sci., India*, **4**, No. 3, 253-288 (1938).

Fermor reviews the previous work on vredenburgite which showed it to be an oriented intergrowth of jacobsonite and hausmanite that has resulted from the breakdown of a pre-existing mineral. For this presumed earlier mineral, near $3Mn_3O_4$, $2Fe_2O_3$, in composition, Fermor retains the name vredenburgite, and for a similar hypothetical mineral, richer in iron, from which has presumably been derived the "vredenburgite" of Devada and Kodur, the name *devadite* is proposed.

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