Crystal Data: Hexagonal. Point Group: 3m. Crystals prismatic, elongated and striated \parallel [0001], with triangular cross section, to 5.5 cm

Physical Properties: Fracture: Irregular. Tenacity: Brittle. Hardness = ~ 7 D(meas.) = 3.17 D(calc.) = 3.14

Optical Properties: Translucent in thin fragments. Color: Bluish black. Streak: Grayish white. Luster: Vitreous. Optical Class: Uniaxial (-). Pleochroism: Strong; O = pale lavender; E = dark blue. $\omega = 1.664(1)$ $\epsilon = 1.642(1)$

Cell Data: Space Group: R3m. a = 15.967(2) c = 7.126(1)Z = 3

X-ray Powder Pattern: "Southern California." USA. 2.573 (100), 3.452 (91), 6.338 (84), 2.944 (71), 4.212 (48), 3.989 (38), 2.038 (29)

Chemistry:

	(1)
SiO_2	35.90
$B_2 O_3$	[10.37]
Al_2O_3	34.90
FeO	11.45
MnO	1.71
MgO	0.21
CaO	0.03
Li_2O	[0.31]
Na_2O	0.75
H_2O	[3.56]
Total	[99.19]

(1) "Southern California," USA; by electron microprobe, average of 10 analyses; Ti, Cu, K, F not detected, B₂O₃, Li₂O, and H₂O from stoichiometry to fill their respective sites; corresponds to $Na_{0.25}(Fe_{1.60}Al_{0.89}Mn_{0.24}Li_{0.22}Mg_{0.05})_{\Sigma=3.00}Al_{6.00}(BO_3)_3Si_{6.01}O_{18}(OH)_4.$

Mineral Group: Tourmaline group.

Occurrence: Probably in granite pegmatites.

Association: The original specimens are loose crystals without matrix.

Distribution: Found as museum specimens designated only as from "southern California," USA. [White Queen mine, Pala district, San Diego Co., California, USA.] At the Kazionnitsa mine, Alabashka, Ural Mountains, Russia.

Name: To honor Franklin F. Foit, Jr. (1942–), of Washington State University, Pullman, Washington, USA, for his work on tourmaline group minerals.

Type Material: Canadian Museum of Nature, Ottawa, Canada, 81512.

References: (1) MacDonald, D.J., F.C. Hawthorne, and J.D. Grice (1993) Foitite, \Box [Fe₂²⁺(Al, Fe³⁺)]Al₆Si₆O₁₈(BO₃)₃(OH)₄, a new alkali-deficient tourmaline: description and crystal structure. Amer. Mineral., 78, 1299-1303.