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Crystal Data: Monoclinic. Point Group: 2/m. Crystals well-formed, but smaller than 0.1 mm, dominated by $\{011\}$ and $\{101\}$; also as botryoidal fracture fillings. Twinning: Common, perhaps pervasive, on an undetermined law.

Physical Properties: Hardness = n.d. D(meas.) = 3.16-3.18 D(calc.) = 3.67

Optical Properties: Transparent to translucent. Color: Deep azure. Optical Class: Biaxial (+). Pleochroism: X = light blue-gray; Y = light blue; Z = dark blue. Orientation: X = b; $Y \land c = 2.5^{\circ}$. $\alpha = 1.709$ $\beta = 1.717$ $\gamma = 1.729$ 2V(meas.) = n.d. $2V(\text{calc.}) = 80^{\circ}$

Cell Data: Space Group: $P2_1/c$. a = 5.030(2) b = 16.135(3) c = 5.343(1) $\beta = 102.96(1)^{\circ}$ Z = 4

X-ray Powder Pattern: Bawana mine, Utah, USA. 2.768 (100), 2.523 (40), 3.236 (39), 8.049 (35), 3.928 (34), 1.614 (23), 4.884 (21)

Chemistry:

	(1)	(2)
SiO_2	26.95	28.11
$\mathrm{Al_2O_3}$	0.07	
FeO	0.77	
CuO	33.41	37.22
$_{\rm MgO}$	0.01	
CaO	25.40	26.24
$\rm H_2O$	[13.39]	8.43
Total	[100.00]	100.00

(1) Bawana mine, Utah, USA; by electron microprobe, H₂O by difference. (2) CaCuSiO₄ • H₂O.

Occurrence: A retrograde reaction product between copper-bearing solutions and diopside in diopside-magnetite tactites (Bawana mine, Utah, USA).

Association: Thaumasite, tenorite, kinoite, calcite (Bawana mine, Utah, USA); kinoite, apophyllite (Christmas, Arizona, USA).

Distribution: In the USA, in the Bawana mine, about six km northwest of Milford, Beaver Co., Utah; at Crestmore, Riverside Co., California; and from the Christmas copper mine, Gila Co., Arizona. In the El Bronce mine, Tierra Amarilla, Copiapó, Chile.

Name: In honor of Bronson Ferrin Stringham (1907–1968), Professor of Mineralogy, University of Utah, Salt Lake City, Utah, USA.

Type Material: National Museum of Natural History, Washington, D.C., USA, 128031; The Natural History Museum, London, England, 1976,421.

References: (1) Hindman, J.R. (1976) Stringhamite, a new hydrous copper calcium silicate from Utah. Amer. Mineral., 61, 189–192. (2) Hawthorne, F.C. (1985) The crystal structure of stringhamite. Tschermaks Mineral. Petrog. Mitt., 34, 15–24.