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Crystal Data: Orthorhombic. *Point Group:* mm2. Radiating sprays of prismatic crystals, to 5 cm; as intergrowths $\parallel \{010\}$ in anthophyllite and cummingtonite.

Physical Properties: Cleavage: Perfect on {110}, intersecting at $\sim 45^{\circ}$ and 135° ; breakage along {100} and {010} may be due to parting. Hardness = n.d. D(meas.) = n.d. D(calc.) = [3.08]

Optical Properties: Transparent. *Color:* Colorless to very light pinkish brown; in thin section, colorless.

Cell Data: Space Group: $A2_1ma$. a = 18.6140(3) b = 45.306(1) c = 5.2966(3) Z = 4

X-ray Powder Pattern: Calculated.

8.609(100), 3.076(66), 3.246(49), 11.327(41), 2.554(36), 3.751(34), 2.779(31)

Chemistry:

	(1)
SiO_2	57.95
Al_2O_3	0.25
FeO	14.14
MnO	0.99
MgO	24.24
CaO	0.42
Na_2O	0.03
H_2O	[2.60]
Total	[100.62]

(1)

(1) Chester, Vermont, USA; by electron microprobe, H_2O assuming (OH) sites filled by $(OH)^{1-}$.

Occurrence: In black wallrock between chlorite and actinolite zones of a metamorphosed ultramafic body.

Association: Jimthompsonite, clinojimthompsonite, anthophyllite, cummingtonite, talc.

Distribution: In the Carleton talc quarry, near Chester, Windsor Co., Vermont, USA.

Name: For the Chester, Vermont, USA, locality.

Type Material: Royal Ontario Museum, Toronto, Canada, M36083; Harvard University, Cambridge, Massachusetts, 134079; National Museum of Natural History, Washington, D.C., USA, 145869.

References: (1) Veblen, D.R. and C.W. Burnham (1978) New biopyriboles from Chester, Vermont: I. Descriptive mineralogy. Amer. Mineral., 63, 1000–1009. (2) Veblen, D.R. and C.W. Burnham (1978) New biopyriboles from Chester, Vermont: II. The crystal chemistry of jimthompsonite, clinojimthompsonite, chesterite, and the amphibole-mica reaction. Amer. Mineral., 63, 1053–1073.