Mineral Group: Apatite group.

Occurrence: A very rare mineral, part of a metamorphic skarn assemblage in a metamorphosed stratiform zinc orebody (Franklin, New Jersey, USA).

Association: Yeatmanite, diopside, andradite, franklinite, copper, roméite (Franklin, New Jersey, USA); tilasite, andradite, calcite, caryopilite (Långban, Sweden).

Distribution: From Franklin and Sterling Hill, Ogdensburg, Sussex Co., New Jersey, USA. In Russia, at the Novofrolvoskoye copper deposit, Turinsk district, near Krasnoturinsk, Northern Ural Mountains and Yuliya Svintsovaya Pb-Zn deposit, 20 km east-northeast of Son railway station, western Siberia. At the Harstigen mine, Långban, Värmland, Sweden. At the Fuka mine, Okayama Prefecture, Japan.

Name: Honors John L. Baum (1916-2011), Hamburg, New Jersey, USA, former Curator of the Franklin Mineral Museum and collector of the first specimen containing the mineral.

Type Material: Royal Ontario Museum, Toronto, Canada; the Natural History Museum, London, England; Harvard University, Cambridge, Massachusetts (116461) and the National Museum of Natural History, Washington, D.C., USA (144444).


(3) Biagioni, C. and M. Pasero (2013) The crystal structure of johnbaumite, Ca$_5$(AsO$_4$)$_3$OH, the arsenate analogue of hydroxylapatite. Amer. Mineral., 98, 1580-1584.