

malachite-green to pale blue, its usual associates being smithsonite, hemimorphite, malachite, aurichalcite, and the ill-defined zinc-bearing varieties of malachite referable to 'paraurichalcite' or 'cuprozincite', which are very similar. In Cornwall, one of us (A. W. G. K.) has found rosasite at Penberthy Croft Mine, St. Hilary, associated with malachite and native silver in a much decomposed veinstone.

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Carpholite from Cumberland and Cornwall.

THE rare manganese aluminium silicate, carpholite, hitherto only recorded from a few foreign localities, has been recently found by us in Cumberland and in Cornwall.

In Grains Gill, Carrock Fell, in the northern Lake District, carpholite occurs in thin, fibrous-radiating aggregates in joints in white vein-quartz, specimens collected being derived almost certainly from the Emerson vein of the Carrock Wolfram Mine. In contrast to its more usual deep straw- or wax-yellow colour, the Grains Gill mineral is of a pale, almost cream yellow, and until the quartz is broken appears merely as a faint yellowish staining.

Carpholite, again pale in colour, has also been found by one of us at three localities in Cornwall: in an old opencast on Kit Hill, and (of a slightly greenish colour) in material from the south workings of Hingston Down Consols Mine, both these localities being near Callington, and at Stennagwynn Mine, St. Stephen-in-Brannel; at the two former it occurs in joints in greisen, while at Stennagwynn it also coats joints in altered granite and closely resembles wavellite, for which this mine is one of the few known Cornish localities.

X-ray powder-photographs are all in agreement with that of carpholite from Schlaggenwald, Bohemia.

At all the above-mentioned new localities the carpholite occurs in association with wolfram.

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