NEW MINERALS

Crestmoreite

Crestmoreite, a new mineral; in: Minerals associated with the crystalline limestone at Crestmore, Riverside County, California. Arthur S. Eakle, Univ. of Cal. *Bull. Dept. Geol.*, **10**, (19), 344–346, 1917.

NAME: After the locality, Crestmore, Riverside Co., Cal.

PHYSICAL PROPERTIES

Color: Snow-white; luster: vitreous to dull; structure: compact massive. H. = 3. G. = 2.22.

OPTICAL PROPERTIES

Crestmoreite has parallel extinction, positive elongation, low birefringence, and $\beta = 1.590 \pm 0.005$.

CHEMICAL PROPERTIES

As most of the water is given off only at high temperatures it is regarded as constitutional, and the formula written as a hydrous basic metasilicate, H_2CaSiO_4. It is presumably an alteration product of wilkeite, and contains small amounts of the phosphate, sulfate and carbonate radicals.

It fuses quietly and easily to a slightly vesicular glass. Easily soluble in acid, leaving some flocculent silica, while most of the silica goes into solution. Some of the lime can be extracted by boiling water.

It is found disseminated in bunches in blue calcite, probably an alteration product *in situ* of wilkeite. S. G. G.

Riversideite

Riversideite, a new mineral. Arthur S. Eakle, *loc. cit.*

NAME: After the county in which it occurs.

PHYSICAL PROPERTIES

Color: white; luster: silky; structure: compact fibrous. H. = 3. G. = 2.64.

OPTICAL PROPERTIES (by Esper S. Larsen)

$\alpha = 1.595 \pm 0.003$, $\gamma = 1.603 \pm 0.003$; extinction, parallel; Z parallel to the fibers.

CHEMICAL PROPERTIES

The simplest formula is $2CaSiO_3.H_2O$, but it contains also P_2O_5 and SO_3, possibly due to indirect formation from wilkeite or crestmoreite.

Riversideite fuses at 2 to a white glass. It is easily soluble in dilute acids, leaving flocculent silica.

It occurs as narrow seams in masses of vesuvianite. S. G. G.

ABSTRACTS OF MINERALOGIC LITERATURE

MINERALS ASSOCIATED WITH THE CRYSTALLINE LIMESTONE AT CRESTMORE, RIVERSIDE COUNTY, CALIFORNIA. ARTHUR S. EAKLE, *Univ. Cal. Bull. Dept. Geol.*, **10** (19), 327–360, 1917. [For sale by University of California Press, Berkeley, Cal.]

At Crestmore, eight miles westerly from Riverside, there is an isolated mass of granodiorite with a capping of crystalline limestone in which there have been developed upwards of 50 minerals by contact and hydrothermal metamorphism. Chino Hill consists of white limestone, with little development of metamorphic minerals. Brucite occurs disseminated thru the limestone in rounded, pisolitic bodies, and it is presumed that it is an alteration product of primary periclase. Some of the brucite has been altered to hydromagnesite. Other minerals are graphite, phlogopite and serpentine.