ARAGONITE

$CaCO_3$

One of the polymorphs of $CaCO_3$, the most common of which is calcite. Chiefly of supergene origin in oxidized iron formation (Northern Peninsula). It is also found in veinlets in some limestone formations (Southern Peninsula).

Figure 37: Aragonite crystals to 6 mm in vug in limestone from the Jeffrey quarry near Parma, Jackson County. A. E. Seaman Mineral Museum specimen No. DM 15432, Jeffrey Scovil photograph.

Gogebic County: Penokee iron mine, near Ironwood, aragonite is associated with manganite, goethite, and calcite (Rexin, 1959).

Iron County: Bristol mine: Variety "flos ferri" (a coralloid form).

Jackson County: *Jeffrey quarry* about 4 km north of Parma: Fine crystals of aragonite with marcasite, pyrite, calcite, and dolomite in limestone (W. H. Wagner, Jr., personal communication; Squire, 1972).

Marquette County: **1.** Ishpeming: In iron formation (Alessi, 1937). Not verified. **2.** Negaunee mine: In iron formation. **3.** Republic iron mine (Morris, 1983). **4.** Champion: As colorless crystals filling fractures at a road cut on US41-M28 in the NW ¼ SE ¼ section 25, T48N, R30W, approximately 0.4 km east of the Peshekee River bridge (M. Basal, personal communication, 1999). Identification has been verified by X-ray diffraction. Other species found at this occurrence include graphite, pyrite, chalcopyrite, quartz, malachite, magnetite, and gypsum. Assays of the quartz-sulfide assemblage showed very low gold values (0.0098 oz/ton) (M. P. Basal, personal communication, 1999).

Monroe County: Monroe (Dana, 1892).

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