



Fig. 1.

NOTISER

On the occurrence of 1 M muscovite crystals, from Nedre Eiker Church

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The 1 M polymorph of muscovite is rather abundant in nature, but always poorly crystalline either as decomposition products of other silicates, like nepheline, or as surface films, for instance on corundum.

Christie (1961) has recently noticed the occurrence of 1 M muscovite at several Norwegian localities. (Interne notater, 3, 1961). In one of these localities, Nedre Eiker Church, I have found crystalline aggregates of 1 M muscovite as shown in Figure 1. This is the first time that microscopical crystals of 1 M muscovite are observed. Again the X-ray powder diagrams indicate that the muscovite of this locality is better crystallized than any previously known 1 M muscovite. The crystals occur in limited quantities in cavities together with well crystallized orthoclase in a granite close to a contact to Cambro-Silurian limestone.