

# CATALOGUE OF MINERALS

Found within about 75 miles of Amherst College, Ms.

THE GREATER NUMBER EXIST WITHIN FIFTY MILES OF THIS CENTRE.

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*The names of such as occur less frequently, are in full faced type.*

The arrangement adopted is the Natural History one,—the species forming twenty-two orders. The changes in the nomenclature will be understood from the following statement: names ending in *ite*, stand for acknowledged species, except such as have an elementary composition and a few others. Those ending in *ine*, denote minerals whose specific character is not fully settled. Such varieties, and those synonyms formerly ending with *ine* and *ite*, are here terminated in *in*.

These changes are made to avoid the confusion that arises with beginners from the host of names ending in *ite*, that simply refer to synonyms and varieties. The name through this innovation, shows at once whether reference is had to an admitted species, to a doubtful one, or to a mere variety. The change lends itself very conveniently, also, to those alterations in the rank of minerals, that must continue to arise from advancing knowledge. Trifling modifications of the terminal syllable will in this way express all such discoveries.

As a farther recommendation of the plan here adopted, it may be mentioned, that Prof. Dana has already suggested in geology, the alteration of the terminal syllable of such rocks as end in *ite*, so as to give them the termination *yte*,—thus happily distinguishing them from our mineralogical species. Quartzite, for example, will be the name of the mineral now known as Quartz, and Quartzyte that of the rock heretofore spelt Quartzite.

## Order XI. TALCITE.

*Talcite*—Rowe; Chester; Zoar; Smithfield and Foster, R. I.

*Cymatolite*—Goshen.

*Delessite*—Greenfield (Turners' Fall.)

*Ripidolite*—Pelham.

*Euchlorite* (nov. sp.)—Chester.

*Prochlorite*—Rowe; New Fane, Vt.

*Corundophilite*—Chester.

*Amesine*—(nov. sp.?) Chester.

*Vermiculite*—Pelham; Milberry.

*Chlorophæite*—Gill (Turners' Falls.)

*Damourite*—Litchfield, Conn.

*Nacrine*—Alstead, N. H.

*Muscovite*—Williamsburg; Goshen; Chesterfield; Alstead, Grafton and Sullivan, N. H.; Middletown, Conn.; variety Margarodin, Trumbull, Conn.

*Biotite*—Pelham.

*Lepidolite*—Middletown, Conn.

*Margarite*—Chester.

*Chloritoidite*—Chester; Natick, R. I.

## Order XII. ZEOLITE.

*Stilbite*—Chester; Deerfield.

*Heulandite*—Chester.

*Lincolnine*—Deerfield.

*Apophyllite*—Greenfield (Turners' Falls.)

*Chabazite*—Chester; Deerfield.

*Natrolite*—Cheshire, Conn.

*Prehnite*—Greenfield; West Springfield; Farmington, Conn.

*Datholite*—Greenfield; Rocky Hill, Hartford and Middlefield, Conn.

*Laumonite*—Monson; Middletown, Conn.

*Analcite*—Chester.

## Order XII. SPAR.

*Wernerite*—Bolton; Littleton; Chelmsford; Carlisle; Monroe, Conn.

*Dipyrite*—Canaan, Conn.

*Danalite*—Rockport.

*Anorthite*—Pelham.

*Orthoclasite*—Ware; Athol; var. *Microlin*—Leverett; Haddam and Middletown, Conn.

*Oligoclasite*—Haddam and Danbury, Conn.

*Albite*—var. *Cleavelandin*—Goshen; Chesterfield and Chester; Haddam and Middletown, Conn.

*Andesine*—Pelham, Chester.

*Spodumenite*—Goshen; Huntington (formerly Norwich); Sterling; Winchester, N. H.

*Epidotite*—var. *Scorza*—Warwick; Pelham; Hawley; New Fane, Vt.; Haddam, Conn.; Cumberland, R. I.

*Babingtonite*—Athol.

*Zoisite*—Williamsburg; Goshen; Hinsdale; Pelham.

*Danburite*—Danbury, Conn.

*Amphibolite*—Pelham; Chester; Hawley; Goshen; var. *Actynolin*—Holliston; Cumberland, R. I., and New Fane, Vt.; var. *Tremolin*—Lenox; Lee and Sheffield; Canaan, Conn.

*Cumingtonine*—Cummington.

*Anthophylline*—Chesterfield; Pelham.

*Augite*—Belchertown; white, Canaan, Conn.; var. *Diopside*—Bolton; var. *Sahlin*—Bolton; var. *Canaanin*—Canaan, Conn.

*Jadeite*—Smithfield, R. I.

*Rhodonite*—Cummington.

*Petalite*—Bolton.

*Knebilite*—Cumberland, R. I.

## Order XIV. GEM.

*Forsterite*—var. *Boltonin*—Bolton.

*Pelhamine*, allied to *Chrysolite*—Pelham.

*Opalite*—var. *Hyalin*—Monson and Greenfield.

*Vesuvianite*—Worcester; Amherst, N. H.