

# GEOLOGICAL MAP OF NEW HAMPSHIRE, VERMONT AND WESTERN MAINE

by Charles H. Hitchcock 1877-1878



## EXPLANATION OF MAP UNITS

### METAMORPHIC ROCKS

- |  |  |
|--|--|
| Helderberg Limestone                                 | Hornblende Schist                                |
| Kearsarge Andalusite Group and Fibrolite Mica Schist | Lyman Group - Upper Huronian                     |
| Montalban Group/ Mica Schist with Limestone          | Lisbon Group - Upper Huronian/ Swift Water Group |
| Ferruginous Slates/ Schist                           | Huronian   |
| Rockingham Mica Schist                               | Cambrian Clay Slates/ Taconic Slates             |
| Merrimack Group                                      | Cambro-Silurian (carbonates)                     |
| Coos Group/ Staurolite Slate and Schist              | Potsdam Group                                    |
| Conglomerate and Quartzite                           | Steatite, Serpentine and Soapstone               |
| Calciferous Mica Schist                              | Laurentian Green Mountain Gneiss                 |

### SCALE IN MILES

0 5 10 15 20 25

- |                   |                          |        |   |     |             |      |
|-------------------|--------------------------|--------|---|-----|-------------|------|
| Beds of Limestone | Gold                     | Copper | Iron                                      | Tin | Lead-Silver | Mica |
| Bands of Quartz   | Streams and Water Bodies | Roads  | Town, State, and International Boundaries |     |             |      |

### IGNEOUS ROCKS

- |  |   |
|--|---|
| Conway Granite   | Granite   |
| Albany Granite   | Concord Granite   |
| Chocorua Group and Sienite   | Lake Winnepesaukee Gneiss, Lake Gneiss and Granite Gneiss |
| Porphyry   | Porphyritic Gneiss  |
| Porphyry and Diorite at Mt. Tripyramid, Pleasant and Burnt Meadow Mts. | Bethlehem Gneiss - Ordinary/ Fine-grained                 |
| Sienite of Mt. Gunstock  | Exeter Sienite, Diorite and Granite                       |
| Labrador Group   |   |
| Pequawket Breccia  |   |
| Franconia Breccia  | Laurentian Green Mountain Gneiss                          |

C. H. Hitchcock's full-scale topographic relief model (inch to the mile horizontal and 5x vertical exaggeration) is displayed in the third floor stairwell of James Hall, Department of Earth Sciences, University of New Hampshire, Durham. The restoration process is summarized at <http://www.unh.edu/esci/resources/index.html>.