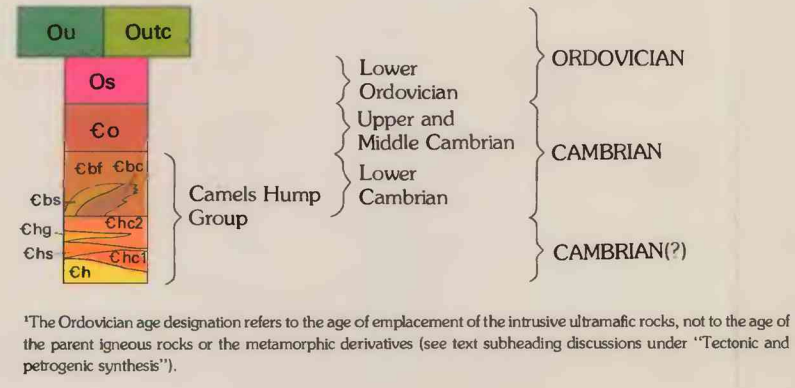


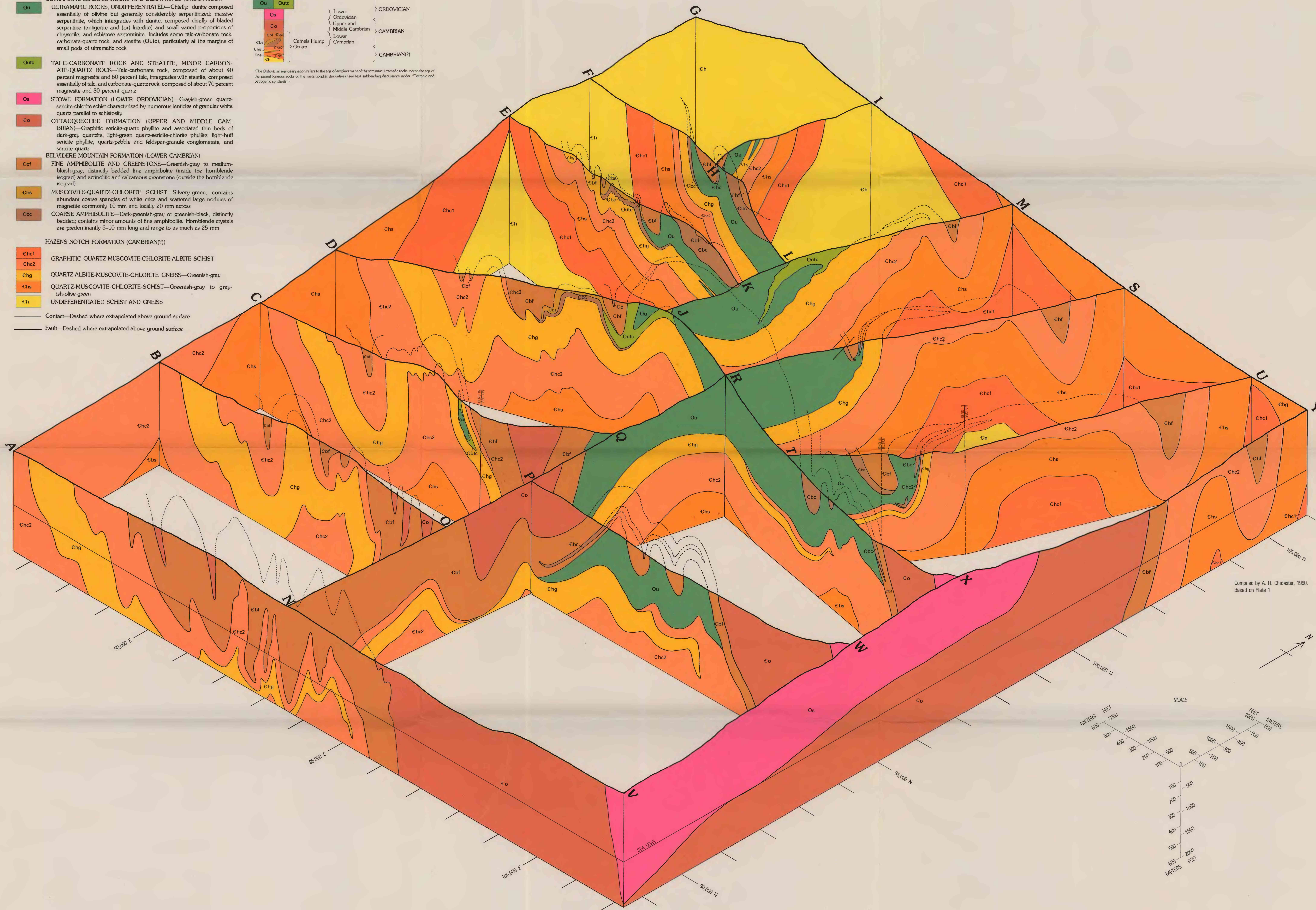
DESCRIPTION OF MAP UNITS

CORRELATION OF MAP UNITS

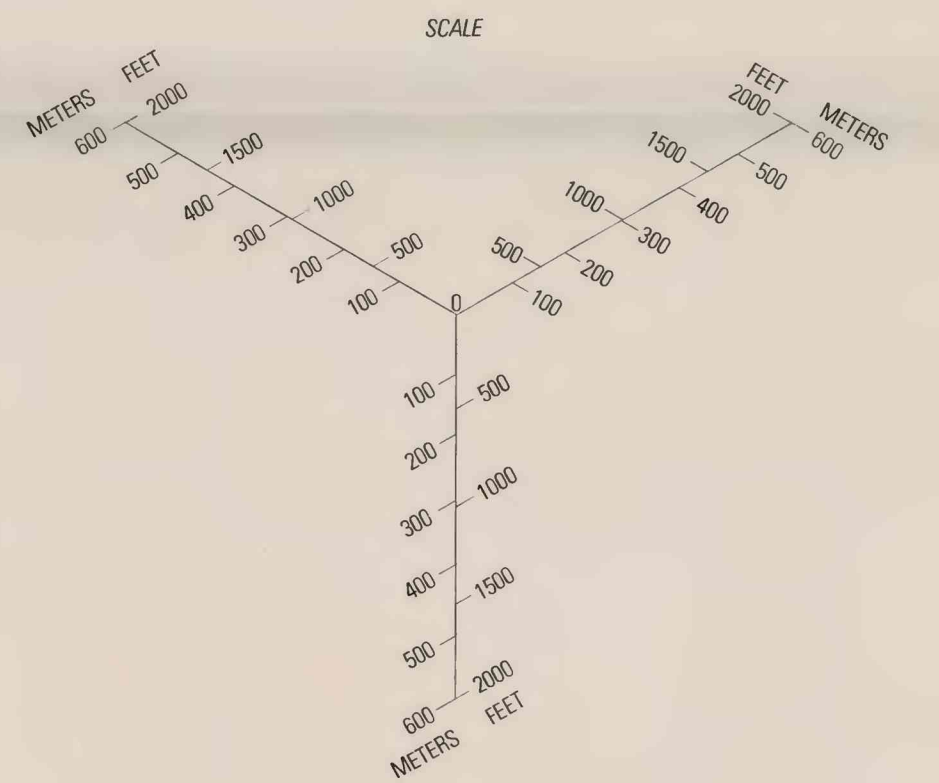
- Ou** ULTRAMAFIC IGNEOUS ROCKS AND DERIVATIVES (ORDOVICIAN)¹
ULTRAMAFIC ROCKS, UNDIFFERENTIATED—Chiefly dunite composed essentially of olivine but generally considerably serpentinized; massive serpentinite, which intergrades with dunite, composed chiefly of bladed serpentine (antigorite and/or lizardite) and small varied proportions of chrysotile and schistose serpentinite. Includes some talc-carbonate rock, carbonate-quartz rock, and steatite (Outc), particularly at the margins of small pods of ultramafic rock.
 - Outc** TALC-CARBONATE ROCK AND STEATITE, MINOR CARBONATE-QUARTZ ROCK—Talc-carbonate rock, composed of about 40 percent magnesite and 60 percent talc, intergrades with steatite, composed essentially of talc, and carbonate-quartz rock, composed of about 70 percent magnesite and 30 percent quartz.
 - Os** STOWE FORMATION (LOWER ORDOVICIAN)—Grayish-green quartz-sericite-chlorite schist characterized by numerous lenses of granular white quartz parallel to schistosity.
 - Co** OTTAUQUECHEE FORMATION (UPPER AND MIDDLE CAMBRIAN)—Graphitic sericite-quartz phyllite and associated thin beds of dark-gray quartzite, light-green quartz-sericite-chlorite phyllite, light-buff sericite phyllite, quartz-pebble and feldspar-granule conglomerate, and sericite quartz.
 - cbf** BELVIDERE MOUNTAIN FORMATION (LOWER CAMBRIAN)
FINE AMPHIBOLITE AND GREENSTONE—Greenish-gray to medium-bluish-gray, distinctly bedded fine amphibolite (inside the hornblende isograd) and actinolitic and calcareous greenstone (outside the hornblende isograd).
 - chs** MUSCOVITE-QUARTZ-CHLORITE SCHIST—Silvery-green, contains abundant coarse spangles of white mica and scattered large nodules of magnetite commonly 10 mm and locally 20 mm across.
 - cbc** COARSE AMPHIBOLITE—Dark-greenish-gray or greenish-black, distinctly bedded; contains minor amounts of fine amphibolite. Hornblende crystals are predominantly 5-10 mm long and range to as much as 25 mm.
 - HAZENS NOTCH FORMATION (CAMBRIAN(?))**
 - chc1** GRAPHITIC QUARTZ-MUSCOVITE-CHLORITE-ALBITE SCHIST
 - chc2** QUARTZ-ALBITE-MUSCOVITE-CHLORITE GNEISS—Greenish-gray
 - chg** QUARTZ-MUSCOVITE-CHLORITE SCHIST—Greenish-gray to grayish-olive-green
 - ch** UNDIFFERENTIATED SCHIST AND GNEISS
- Contact—Dashed where extrapolated above ground surface
— Fault—Dashed where extrapolated above ground surface



¹The Ordovician age designation refers to the age of emplacement of the intrusive ultramafic rocks, not to the age of the parent igneous rocks or the metamorphic derivatives (see text subheading discussions under "Tectonic and petrogenic synthesis").



Compiled by A. H. Chidester, 1960.
Based on Plate 1



ISOMETRIC FENCE DIAGRAM OF THE BELVIDERE MOUNTAIN AREA, EDEN AND LOWELL, LAMOILLE AND ORLEANS COUNTIES, VERMONT