U.S. GEOLOGICAL SURVEY
CHARLES D. WALCOTT, DIRECTOR

HISTORICAL GEOLOGY SHEET

VIRGINIA-WEST VIRGINIA
MONTEREY QUADRANGLE

Henry Gannett, Chief Topographer.
Gilbert Thompson, Geographer in charge.
Triangulation by the U.S. Coast and Geodetic Survey.
Topography by L.C. Fletcher.
Surveyed in 1886-87.

Scale $\frac{1}{125000}$

1 ½ 0 1 2 3 4 5 Miles

1 ½ 0 1 2 3 4 5 Kilometers

Contour interval 100 feet.
Datum is mean sea level.

Edition of Oct. 1899.

Geology by N.H. Darton.
Surveyed in 1896 and 1897.

LEGEND

SEDIMENTARY ROCKS

(Areas of Sedimentary rocks are shown by patterns of parallel lines.)

CARBONIFEROUS

XII — **Cbw** — Blackwater formation *(conglomerate, sandstone, and shale containing thin coal seams, locally workable)*

XI — **Ccn** — Canaan formation *(red and green shale and greenish and brown sandstone)*

Cgr — Greenbrier limestone *(limestone, shale, and sandstone)*

X — **Cpo** — Pocono sandstone *(gray sandstone, in places conglomeratic)*

DEVONIAN

IX — **Dh** — Hampshire formation *(shale and sandstone mainly red)*

Dj — Jennings formation *(gray, olive, and buff shale and gray sandstone)*

VIII — **Dr** — Ronney shale *(dark shale with thin limestone beds near the base)*

SILURIAN

VII — **SDm** — Monterey sandstone

VI — **Sl** — Lewistown limestone *(limestone including at the top cherty limestone, and at the base shaly and impure limestone with thin beds of cement rock)*

V — **Sr** — Rockwood formation *(thin sandstone at the top and shale with iron ore below)*

Subdivisions of Meggantton sandstone

Scn — Cacapon sandstone

IV — **Stc** — Tuscarora quartzite

Sj — Juniata formation *(red sandstone and shale)*

III — **Smb** — Martinsburg shale *(gray shale with sandy beds at the top)*

II — **CSs** — Shenandoah limestone

IGNEOUS ROCKS

(Areas of Igneous rocks are shown by patterns of triangles and rhombs.)

JURATRIAS ?

bs — Basalt *(dikes)*

gf — Granite-felsophyre *(dikes)*

Faults

Sections