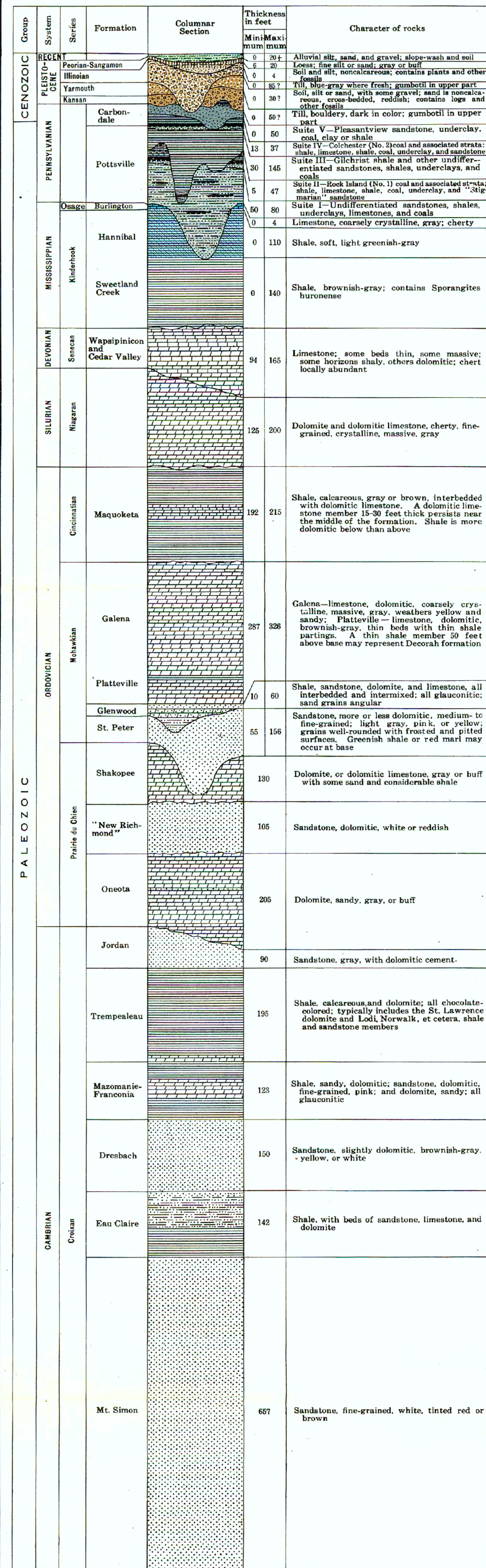




GENERALIZED SECTION OF STRATA IN THE
ALEXIS QUADRANGLE
Vertical scale, 1 inch=200 feet



LEGEND

RECENT

- Qal Alluvium
- Qst Terrace remnants (covered with loess)
- Ql Glacial drift (covered with loess)
- Qy Sand and silt
- Qk Glacial drift

PLEISTOCENE

QUATERNARY

PENNSYLVANIAN

UNCONFORMITY

- Pc Carboniferous formation
- Pp Pottsville formation

MISSISSIPPIAN

UNCONFORMITY

- Mb Burlington formation
- Mh Hannibal formation

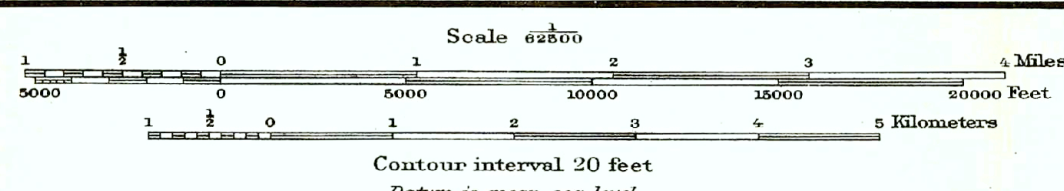
ECONOMIC DATA

- NO 1 Approximate boundary of the Rock Island (No. 1) coal
- NO 2 Approximate boundary of the Colchester (No. 2) coal
- ☉ Coal mine
- ☉ Abandoned coal mine
- ☉ Abandoned rock quarry
- ▲ Shale pit
- ▲ Abandoned shale pit
- ◇ Dry hole (oil test)

Note: The Rock Island (No. 1) coal is the only coal mined commercially, although the Colchester (No. 2) coal and a coal 10-20 feet below the Rock Island (No. 1) coal have been locally exploited. The Gilchrist shale is used in the manufacture of brick and tile. Building stone was formerly quarried from sandstone and shaly limestone in the Pottsville formation. The Yarmouth sands may be suitable for special uses, such as molding sands and filter sands. Water is obtained from the glacial drift, especially the Yarmouth sands, from sandstones of the Pottsville formation, from a porous horizon at the base of the Deonion system, from the St. Peter sandstone, and from the Dresbach sandstone.

Topographic base surveyed in cooperation with the U. S. Geological Survey

APPROXIMATE MEAN DEPRESSION, 1927



WILLIAMS & HEINTZ CO., WASH., D.C.

Geology by H. R. Wanless
Geologically surveyed in 1925 and 1926