

comparing 1, 2 and 3 it should be noted that the distance between Becraft and Rondout is not nearly so great as it is between Rondout and Port Jervis.

Manlius 55 feet

Three Stromatopora beds occur, 0, 2 and 12 feet respectively below the top of the Manlius. Besides the Stromatopora, the most characteristic fossils are *Spirifer vanuxemi*, *S. corallinensis*, *S. eriensis* var., *Whitfieldella* cf. *nitida*, etc.

Coeymans 45 feet

Layers of chert are not infrequent in this limestone, an argillaceous calcarenite.¹ The lowest bed of this, resting immediately on the uppermost Stromatopora bed, contains some specimens of *Favosites helderbergiae* and many of *Gypidula galeata*. In the Coeymans were also found *Delthyris perlamellosa*, *Spirifer cyclopterus*, *S. macropleura* (one specimen), *Leptaena rhomboidalis*, *Pterinea? textilis* (one specimen), etc.

New Scotland 68 feet

Thin bedded, argillaceous to silicious rocks with a variable amount of lime carbonate present. *Orthothetes woolworthanus*, *Stropheodonta becki*, *Spirifer macropleura*, *Delthyris perlamellosa*, *Eatonia peculiaris*, *E. medialis*, *Diaphorostoma ventricosum*, etc.

Becraft 40-45 feet

Coarsely crystalline limestone (calcarenite). The most abundant and characteristic species are *Spirifer concinnus*, *Gypidula galeata* (usually small), *Atrypa reticularis* and *Uncinulus campbellanus*.

Port Ewen 25 feet

A dark crystalline limestone, very similar to the Coeymans. *Monotrypella tabulata* specially characterizes this horizon; this is, however, also found in the Coeymans. Other fossils are *Spirifer concinnus*, *S. cyclopterus*, *Del-*

¹Grabau. Science. Feb. 20, 1903. p. 297.