

fied was *Coelospira acutiplicata* (Conrad). It was found in very large numbers but all were more or less distorted from the very great development of cleavage. Onondaga..... 29 feet

K44 On the northwestern side of the Erie tracks at this section is an excellent exposure of very dark gray, calcareous shale, weathering light gray. It is very fossiliferous, many of the fossils being pyritized, specially the gastropods. This cleaves into much larger and broader pieces than in the two preceding localities. The cleavage here as in all the Esopus strata is so perfect and continuous that it closely resembles bedding. At this locality the bedding is seen in the dark colored ribbons about 6 inches in width passing across the cleavage surface. In this respect it closely resembles the Pennsylvania roofing slate except that the latter has, as a rule, narrower ribbons. Onondaga..... 18 feet

The following fossils were identified:

Zaphrentis? r	35 <i>C. grabau</i> Shimer C
27 <i>Chonetes hemisphericus</i> ? Hall r	40 <i>Dalmanella subcarinata</i> ? Hall c
29 <i>C. yandellanus</i> Hall R	42 <i>Eaton</i> medialis (<i>Vanuxem</i>) r
32 <i>Coelospira acutiplicata</i> (Conrad) C	116 <i>Loxonema</i> sp. c

K45 These strata are very shaly, breaking into broad, thin plates. Slickensides were developed along the cleavage in places. At the top of the hill the strata become more calcareous; thin beds of impure limestone occur at intervals. Several specimens of *Atrypa reticularis* (Linn.) were found. Onondaga 100 feet

K46 Concealed strata. Onondaga..... 12 feet

K47 The strata concealed by the old public road leading to the residence of Mr Henry Hoffman, are found further southward. The cleavage gradually becomes coarser, more platy and with the dark gray, shaly limestone occur intermittent beds of a dense, blue limestone which is at times quite fossiliferous but is usually apparently destitute of fossils. Onondaga..... 20 feet

23 <i>Atrypa reticularis</i> (Linn.) C	55 <i>Meristella</i> sp. R
27 <i>Chonetes hemisphericus</i> Hall c	67 <i>Reticularia fimbriata</i> (Conrad) r
32 <i>Coelospira acutiplicata</i> (Conrad) R	84 <i>Spirifer macrus</i> Hall c
47 <i>Leptaena rhomboidalis</i> (Wilckens) r	133 <i>Dalmanites</i> cf. <i>anchiops</i> (Green) R
	<i>Phacops rana</i> (Green) r