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SOME NOTES ON LYCÆNA PSEUDARGIOLUS.

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In September, 1873, Mr. T. L. Mead, who was then at Coalburgh, observed a ♀ *pseudargiolus* depositing eggs upon the flowers of *Actinomeris squarrosa*, and on examining the flower heads found a number of eggs. He brought home two of the females, and enclosed them in a muslin bag upon the flower heads of the same plant, near my house, the plant being not at all an uncommon one here. Several eggs were soon deposited, and in due time the larvæ were hatched and some of them were carried through to chrysalids, a change which occurred about the middle of October. The flowers of *squarrosa* becoming scarce before the caterpillars were mature, I tried the flowers of an allied plant, *A. helianthoides*, and found them to answer equally well. The eggs are laid singly on the still undeveloped flower, and the larva feeds on the petals or eats its way to the seed vessel. In no instance have I seen it feed upon the leaf of the plant. The chrysalids of this lot were found to be dead in the spring of 1874.

In September, 1874, I noticed the females of same species hovering about *squarrosa*, and confining some of them as before, obtained eggs, and three of the larvæ from these I succeeded in bringing to chrysalis. Late in the winter the chrysalids were placed in the greenhouse, and on the 13th of Feb'y, 1875, there emerged from them three true *violacea*, 1 ♂, 2 ♀. This unexpected result shows *violacea* to be the spring form of *pseudargiolus*. *Violacea* never appears here after the last of April or the first few days of May. If the weather is pleasant through April, it is extremely abundant from the first to the middle of the month. The first *violacea* which appear come in the warm days of March, so that their entire period in the imago is not far from six weeks, and after that no more are seen till the following spring. On the other hand, *pseudargiolus* appears from the 10th of May to the 1st of June; about the 1st of July there is a second brood, and one or two others during the summer.