

Black Swallowtail,\* in torn condition, on Carbonear Island, a high rocky islet, about a mile in length, lying off the mouth of the harbor, uninhabited, uncultivated, partly covered with bushes—visited occasionally for summer picnics. This is my first cabinet specimen; but I had possessed an old rubbed and patched specimen which had been captured in the same locality several years before I began to collect.

July 31.—I made a visit with A. E., to Carbonear Island. We saw immense numbers of the little Orange-brown Butterfly (the *Canonympha* figured on page 22 of my Entom. of Newfoundland, 4to), and many of the *Polyommatus* (*Argus* of Ibid, p. 23).† After searching the Island, in vain, for a Swallowtail, we were just going down to our boat, when I caught sight of a great black fellow fluttering over a bed of tansy. I ran towards him, but I had to look about some time before I could find my beauty, for he had now alighted, and was so fearless that he did not attempt to fly, but continued sucking the aromatic flowers. I threw my net over him, and found I had secured a specimen much more perfect than my former acquisition.

Aug. 8.—My neighbor, Mr. Peters, gave me a beautiful caterpillar, which had been feeding on parsnip in his garden, and a few hours later he sent me another (No. 2), younger. They are of a clear apple-green hue, each segment marked by a black transverse band of velvet-black, carrying five spots of bright yellow. Each segment is also separated from its fellows by a narrower line of black. I feel confident they are the larvæ of one of the Swallowtails. The No. 2 protruded, and instantly retracted, a soft red organ from its neck.

Aug. 9.—I observed the orange-colored organ of the neck much farther projected; it was then forked, in form of a Y; it left a wetness on my finger, and diffused a strong odor of parsnip.

Aug. 11.—I am convinced that the Y-organ of the neck is used as a defence; for, on my touching the side of the caterpillar—the left side, for instance—it would jerk its head round to the place, and protrude the *left* branch of the forked horn; if I touched the right side, the *right* branch would be protruded; the *other branch*, on each occasion, *being kept undisplayed*, while a strong fetor was manifest. The caterpillar No. 1 has moulted to-day.

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\* *Papilio brevicauda*, Saund.

† *Lyc. Aster*, Edw.