

Underneath as above ; ground colour considerably lighter and bands of primaries not so distinct.

Expanse; 37 mm.

(a). *Apantesis toæle*, ab. *ophir*, n. ab.

Similar to *A. toæle*, but thorax and collar deep black without stripes.

This species most nearly approaches *A. Williamsi*, from which it may be distinguished by its larger size and more brilliant colouring of secondaries. The fact that a form with black thorax exists would seem to indicate that it is more than a geographical race of *Williamsi*, and for the present we consider it as a separate species. As in all members of this group considerable variation is present. On the primaries the medial band may be reduced to a mere spot, the costal border wanting, and the W mark may meet the postmedial band on costal margin. The broad black margin of secondaries may also be considerably reduced, leaving the irregular indentations to form a submarginal row of three or four spots. In fact, this form, although not so common among the material before us, is probably the original one, and the irregular broad band is merely formed by the fusion of the submarginal spots among themselves and with a narrow costal border. On those specimens with reduced border the basal dash is also missing.

Habitat.—Provo, Ut.; Eureka, Ut. (Spalding.) Described from 6 ♂'s (*toæle*) and 5 ♂'s (ab. *ophir*).

Types.—Coll. Barnes.

*Euchætias gigantea*, n. sp.

♀.—Palpi, front, antennæ, thorax, legs and wings brownish-gray, primaries slightly sprinkled with lighter scales on outer fourth, well defined inwardly, giving the appearance of a curved line across wing. Anterior edge of collar edged with scarlet, extending downward to form a patch behind the eyes. This scarlet edging is followed posteriorly by a delicate ochreous line, which, broadening out laterally, extends on the under side as far as the point of insertion of secondaries. Fore coxæ, base of wings underneath and abdomen above scarlet, the latter with a series of black dorsal spots and faint traces of lateral markings. Pectus and abdomen underneath light gray, much lighter than wings. Anal tuft yellowish-buff, slightly tinged beneath with orange anteriorly.

Near base of primaries on under side is a small patch of whitish hairs.

Expanse, 47 mm.