

2 ♀. Colorado.

Type. Coll. Hy. Edwards.

LYCOMORPHA CONSTANS. Hy. Edw. n. sp.

Smaller than *L. pholus*. Primaries bright orange, with narrow marginal border of black, widest at the apex. Secondaries black, with narrow costal margin of orange. Antennæ black. Thorax black on the disc, the outer margin orange. Abdomen black. Tibiæ whitish. Tarsi black.

Exp. wings 0.70.

Prescott, Ariz. W. Howard.

Type. Coll. Hy. Edwards.

At once distinguishable from *L. pholus* by the narrow margin of the primaries and the almost wholly black secondaries.

LYCOMORPHA DESERTUS. Hy. Edw., n. sp.

♂. Closely resembling *L. pholus*, but with the black margin of the primaries narrower, though not so narrow as in the preceding sp. It is broadest on the apex, and its inner edge is oblique as in *L. pholus*, while in *L. constans* it is rounded inwardly. The black margin of secondaries is also narrower than in *L. pholus*, and does not curve upwards to the base along the anal margin as in that species. The larger portion of the wing is thus orange. Abdomen, antennæ and tarsi black. Palpi and base of tibiæ orange.

Exp. wings. 0.75 inch.

♀. Much larger than the ♂, with the primaries orange, a broad, black transverse band crossing them near the base and another from costa to the termination of the internal margin, thus leaving the apex orange. Secondaries as in the ♂. Thorax and abdomen orange, above and below. Tibiæ and tarsi orange. Antennæ blackish, paler at their base.

Exp. wings. 1.25 inch.

Underside, the same as the upper, in both sexes.

1 ♂. 1 ♀. Tucson, Arizona. W. S. Edwards.

Types. Coll. Hy. Edwards.

The examples of this singular species reached me in copulation, or they would have suggested different species, if not distinct genera. They, as well as the previous species, seem to exhibit the richness of the insect fauna of the little known region from whence they come.

NOTES ON THE LARVÆ OF SOME MOTHS.

BY G. H. FRENCH, CARBONDALE, ILL.

ARCTIA DECORATA, Saund.

On page 182 of the 7th Illinois State Entomologist's report, I gave a brief description of the larva of this moth under the name of *Arctia Phalerata*, Harr. I had reared several specimens,

all of the imagines having the prevailing black color of both primaries and secondaries of *Decorata*, with the red in the secondaries peculiar to that form, but at that time I regarded it as only a variety of *Nais* or *Phalerata* of Harris, and for that reason put it in the report in that form. Since that time I have bred several others, and finding the markings of the imagines to be rather constant, I think the description, brief though it may be, should be credited to *Decorata* instead of *Nais*. In this I do not wish to decide whether *Decorata* is a good species or only a variety, but leave that for future investigation. In either case the larvæ will probably be found to differ. I shall endeavor to make more extended observations on them this season. The description referred to is: "A black, hairy caterpillar an inch or more long, with transverse rows of wart-like tubercles, from which spring spreading tufts of short white hairs. Along the dorsum is a line of pale yellow, sometimes almost white." Like the other Arcadians it is a very general feeder.

CYMATOPHORA PAMPINARIA, Guenee.

In his book on Geometrid moths Dr. Packard gives the color of the larva of this as "pale yellowish color, with a broad reddish brown stripe, edged with black on the back." Last fall I found several of them. Some were of the yellowish green color above, others gray and others brown. Packard speaks of pear leaves being their food. I found them feeding on willows and cultivated geraniums. Two of them pupated September 16th and October 2d. Both of these hatched April 17th of this year.

NOTICE TO SUBSCRIBERS.

It was the intention of the Publication Committee to issue Mr. W. H. Edwards' paper on Pieridæ for the present number, but the plates for illustration have not yet arrived from London, and the article in question must therefore be delayed until June.

ERRATA.—On page 43, April No., line 15, for grayish, read yellow; line 5, for *Perdiceas*, read *Perdiccas*; page 44, line 8, for *Perdiceas*, read *Perdiccas*.



French, G. H. 1881. "Notes on the larvae of some moths." *Papilio* 1(5), 81–82.

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