
MACROCENTUS IRIDESCENS, n. sp.

Length .13 of an inch. Head piceous, the mouth parts, including the clypeus, tawny; antennæ rufo-cinereous, the basal joint yellowish. Thorax light rufous, darkest on posterior part, paler beneath; wings hyaline with strong iridescence, the veins, costa and stigma fuscous; feet and legs straw color, the last tarsi of hind feet a little darker. Abdomen rather slender, rufo-piceous, under side of middle joints slightly tawny; ovipositor not exerted. Under the microscope a fine grayish pubescence is seen on all parts of the insect, sparse on the abdomen and legs, but profuse on the antennæ and wings, not interfering with the iridescence on the latter. Pupa with the host.

Described from 5 males and 7 females reared from two larvæ from an elm tree, that were taken to be *Eugonia subsignaria*.

I wish to acknowledge here my indebtedness to E. T. Cresson, of Philadelphia, for generic determination of these species, and for other valuable information and suggestions.

ON THE EARLY STAGES OF SOME MOTHS.

BY D. W. COQUILLET, WOODSTOCK, ILL.

In the following descriptions I have made use of certain terms which will need explaining. The subdorsal line is midway between the dorsal line and the spiracles; the stigmatal line includes the spiracles; the subdorsal space lies between the dorsal and subdorsal lines; the stigmatal space is between the subdorsal line and the spiracles.

The moths of the following larvæ were determined for me by Mr. A. R. Grote.

The first larva described below is provided with only 14 legs; all of the others have 16 legs.

HYPENA SCABRA, Fabricius.—Body green; a dark green dorsal line, faintly edged with white; a white subdorsal and stigmatal line; venter pale green; head smooth, green; length 1 inch. Feeds on clover; July 1 to September 10. Enters the earth to pupate.