

A NEW LOPIDEA FROM CALIFORNIA

BY E. P. VAN DUZEE

Lopidea usingeri Van Duzee, n. sp.

Much like *marginata* Uhler with the genital characters nearly of *nigridea* Uhler and *fallax* Knight; posterior disk of pronotum, scutellum and elytra dark sanguineous, the latter with a pale costa; length 6 mm.

Head as in *marginata* but with the post-ocular callous less conspicuous and the front fuller; antennæ perceptably stouter; pronotal humeri broadly rounded; rostrum attaining intermediate coxæ. Dextral male clasper very similar to that of *nigridea* but with its apex more oblique, the apical margin armed with a short black tooth near the prominent inferior apical angle and the basal dorsal hook more obtuse, straight and produced at a right angle; dextral spine of pygofer as in *marginata*. In *obscura* this clasper is narrower, its ventral apical angle more rounded, the supplemental dorsal tooth represented by a tubercle and the dorsal basal hook curved as in *nigridea*. *L. fallax* Knight is very similar but has the dextral clasper serrate at apex and wants the supplemental tooth before the apex.

Color pale yellowish, the posterior lobe of the pronotum, scutellum and elytra dark sanguineous and the costal margin narrowly whitish; base of vertex, a basal arcuate vitta either side of the front, clypeus, antennæ and rostrum black; feet fuscous, femora paler at base; tarsi black; narrow sutural and commissural margins black; membrane smoky; cheeks and disk of propleuræ tinged with red; ventral segments infuscated at base, becoming reddish laterally; genital segment fuscous at base, dextral clasper red its spines tipped with black.

Described from two males and five females. This species, like *obscura* exhibits considerable variation in the depth of coloring but generally the disk of the elytra, especially in the female, is quite broadly blackish. It gives me pleasure to dedicate this species to its discoverer, one of our enthusiastic young entomologists, who is doing good work in the Hemiptera.

Holotype, male, No. 3705, and allotype, female, No. 3706 Mus. Calif. Acad. Sci., and paratypes taken by Mr. Robert Usinger July 13 (type), 17, 20 and 22, 1927, at the Oakland Recreation Camp, Tuolumne Co., California.

The Pan-Pacific Entomologist

Vol. IX, No. 3

July, 1933

HUDSON BAY BUTTERFLIES AND A NEW TRANSITION FORM (LEPID.).

BY A. V. HARPER

McCreary, Man., Canada

The year of 1932 gave me the much desired opportunity of visiting that vast territory of northern Manitoba which stretches between my home town of McCreary and the terminal of the Hudson Bay Railroad at Fort Churchill on Hudson Bay. Leaving June 1st the first stop for exploration was at The Pas some 400 miles northward. The scenery en route was mostly prairie with some mixed woods, though the last 50 miles showed more muskeg and swamp spruce. The Pas is a small frontier settlement of about 3000 inhabitants and many trappers still make this place their summer headquarters before proceeding north for winter operations. In Lepidoptera, the butterfly *Brenthis freija* was flying in considerable numbers and I also took *Brenthis dawsoni* in the spruce swamps. Two collecting days were spent at The Pas.

My next stop was at Wabowden, a small Indian village nestled among numerous lakes and rocky situations. Collecting was better here than at The Pas and I was fortunate to have a few warm, clear days; however, it was a little early in the year for everything to be out in quantity. A few *Brenthis saga* were taken and *Brenthis tricoloris* (near it) were just coming out.

Leaving this little railroad point and continuing northward, the train crosses the Nelson River at Kettle Rapids, a very inviting looking spot, though I did not stop over. From here on the trees get smaller and shorter, also farther apart, and the majority of them seem killed by prairie fires, possibly started by the railroad. Arriving at Herchmer about 5 o'clock in the afternoon, I lost no time in swinging the net, as the weather was good and of course the days are long. Most of the collecting was done along the Owl River and the best spot seemed on a gravel ridge east of the railroad. *Frigga* was common