

Morrison; swept from *Ceanothus*), 1 ♂, [U. S. N. M.]. Keen Camp, San Jacinto Mountains, June 6 to 12, 1917, (E. P. Van Duzee), 1 juv. ♂, [Cal. Acad. Sci.]. Palm Springs, May 21, 1917, (E. P. Van Duzee), 2 juv. ♀, [Cal. Acad. Sci., and Hebard Cln.].

Descriptions of New Species of Hesperidae (Lepidoptera).

By HENRY SKINNER, Philadelphia, Pa.

The types of the following species are in the collection of The Academy of Natural Sciences of Philadelphia.

Pyrrhopyge viriditas n. sp.

Head, collar and palpi red. Thorax blue above, black below. Abdomen and legs black. Anal tuft orange. Wings dark green above and below. Fringes yellow; very narrow on the primaries and a little more than 1.5 mm. wide on the secondaries. Expanse (one wing) 27 mm.

One specimen from San Pedro, Sula, Honduras. This species belongs to the group containing *telassa* and *hadassa* Hew.

Mimoniades aemulus n. sp.

Head, palpi, thorax and abdomen black. Patagia slightly tipped with orange. Primaries marked as in *pityusa* Hew. except that the two vitreous spots in the centre of the wing are differently shaped, the upper spot being elongate and the lower one has an indentation on the outer side. Inferiors as in *pityusa*. Underside as in *pityusa* except that the primaries have no markings other than the vitreous spots, and on the secondaries the narrow submarginal line is wanting. Expanse of one wing 31 mm.

One male specimen from Ambato, Ecuador. This species differs from its allies in the black body and abdomen and also in the character of the central vitreous spots.

Mimoniades amans n. sp.

Head, palpi, thorax, abdomen and legs mostly black with a few whitish hairs interspersed here and there on the underside. A broad orange, vitreous band extending from the costa to the submedian nervure, which is 6 mm. in width; the remainder of the wing is immaculate and black. The secondaries are black with blue scales extending parallel to the margin and 4 mm. from it, and also a faint line of these blue scales running the same distance from the interior margin. In the medial part of the wing

they extend about 13 mm. toward the base. The primaries below are dusted with blue scales and there are three white spots at the base of the wing. Secondaries covered with blue scales and with a white fascia near the base of the wing. Expanse of one wing 28 mm.

One specimen from Neiva, United States of Colombia. The species is related to *ocyclus* Hubn.

Proteides jamaicensis n. sp.

Closely related to *idas* Cramer and on the upperside marked in the same way. The vitreous spots are variable, in some cases large and in one specimen the wings are almost immaculate, as in some specimens of *sanantonio* Lucas. The differences are on the underside of the secondaries where markings are in general as in *idas* but the white scales are almost entirely lacking and this gives the wings quite a different appearance. It is a large form and in some of the specimens one wing measures 35 mm.

The *type* and four other specimens from Jamaica.

Thymele angustus n. sp.

Head green. Upperside of palpi brown, underside orange. Front femora orange. Thorax and abdomen green, below brown. The primaries have the usual diaphanous band of spots; two on the costa, a narrow hour-glass shaped one in the cell and a small triangular one below. Inner third of wings blue. Secondaries brown with inner third blue. Underside of primaries as above with secondaries brown, immaculate. Expanse of one wing 26 mm.

The *type* and two other specimens from San Domingo, West Indies. This striking species is related to *fulgerator* but may be readily distinguished by the very narrow diaphanous band of spots only 1 mm. wide.

Telegonus antiquus n. sp.

Head, palpi and underside of thorax brown. Upperside of thorax and abdomen green. Primaries brown with the basal third blue. Secondaries brown with the inner half blue. Underside brown with obscure darker markings and a few faint pink scales on the outer margins of the wings. Expanse of one wing 26 mm.

The *type* and one other specimen from San Domingo, West Indies. The species is related to *T. habana* Lucas but lacks the whitish border of the underside of the wings.

Bungalotis immaculata n. sp.

The whole insect is yellowish brown, nearly the color of *B. midas* Cramer and is without markings. The antennae, head, palpi, thorax, abdomen

and legs concolorous. Inserted near the base of the secondaries is a tuft of brown hairs. Expanse, one wing, 23 mm.

Type from Chanchamayo, Peru.

Bungalotis canalis n. sp.

A yellow-brown species the color of *ramusis* Cramer and the markings are of the same general color. The specimen is a male and has a costal fold. Antennae, head, palpi, thorax, abdomen and legs yellow-brown. Upper-side: Primaries with a small, round, sub-apical vitreous spot and several very faint brown spots between the veins; the secondaries have a geminate brown spot at the end of the cell and five small brown spots half way between this and the border, and running parallel to the border. Underside of primaries much as above; secondaries have a medial row of three obscure, brown spots and a postmedial row of six brown spots. Expanse of one wing 28 mm. Costa of hind wing 21 mm. External margin 22 mm. Internal margin 23 mm. These measurements show that the species is different in shape from some of the species in the genus.

The *type* is from Gatun, Canal Zone, Panama. From D. E. Harrower.

Eudamus parvus n. sp.

Head, thorax and abdomen above, brown; below the palpi are covered with mixed brown and whitish hairs. Abdomen below brown. Upper-side: Primaries dark brown and immaculate; secondaries brown and immaculate, terminating in short tails. Underside: The primaries show very faint mottlings; the secondaries have a faint central band, darker than the background and also a submarginal one of the same character. Expanse of one wing of male, 13 mm., of female 20 mm. Tail 5 mm. in length.

The *type* male has no vitreous spots and the type locality is St. Pierre, Martinique (J. M. Geddes, Dec. 8th, 1911.) *Allotype* from the same locality and paratypes from Antiqua, Dec. 23rd, 1911, (Geddes). English Harbor, Antiqua (Geddes) Dominica (Geddes). This little species has the same odd shape as *E. galapagensis* Williams, described in the Proc. Calif. Acad. Sci., 1911, p. 303, pl. 20, f. 6.

Callimormus dimidiatus n. sp.

Head black; antenna annulated, black and white; palpi with black and white hairs. Thorax and abdomen brown above, white below. Legs partly covered with white scales. Upperside: Primaries brown with three small orange lines near the apex and a subcostal one from the inner third to the base of the wing; secondaries brown, immaculate. Under-



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