

Fam. DROSOPHILIDAE (p. 50).

DROSOPHILA Fallen (p. 55).

(7) *Drosophila hawaiiensis* Grimshaw (p. 60).

One specimen (? a male), N.W. Koolau (Oahu), July 1901.

(9) *Drosophila pilimana* Grimshaw (p. 61).

One female, Waialua Mts., Oahu, May 1901.

(41) *Drosophila crucigera*, sp. nov.

♀. Long. corp. $3\frac{1}{2}$ —4 mm.; al. 4 mm. Similar to *D. variegata* (p. 57) but smaller, second joint of antennae entirely yellow, and pattern of wings more broken up although of the same general type. In the centre of the wing is a fuscous patch roughly resembling a Greek cross, the foot of which extends over the posterior transverse vein; in the centre of the second posterior cell, i.e. exterior to the foot of the cross, is a small rounded detached spot and a similar one in the middle of the third posterior cell, third fuscous band (at the apex of the wing) with a conspicuous hyaline spot between the tips of the 2nd and 3rd veins.

HAB. Oahu, one female, Honolulu Mts., August 1900, one female, Waialua Mts., May 1901.

(42) *Drosophila*, sp.

A single male specimen of a species apparently allied to *D. paucipuncta* was obtained by Mr Perkins in Oahu (N.W. Koolau) in July 1901. The wings bear only the slightest trace of fuscous markings, the thorax is yellowish marked with four very obscure brown stripes, while the fore tibiae and tarsi are bearded with long hairs.

DIPTERA PUIPIPARA.

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In seiner Bearbeitung der Dipteren der "Fauna Hawaiiensis" erwähnt P. H. Grimshaw auf p. 77 auch drei Species von Hippobosciden, ohne diesen jedoch Namen beizulegen. Herr P. H. Grimshaw hat nun die grosse Liebenswürdigkeit gehabt,