

A New Species of Gall Midge Predacious on Mealybugs

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(Presented by Dr. Carter at the meeting of February 4, 1937.)

Dicrodiplosis guatemalensis n. sp.

The gall midges were received under date of December 11, 1935 from Dr. Walter Carter, accompanied by a statement that they were reared from brilliant carmine colored larvae, predacious on mealybugs, the specimens being labelled "Guatemala May 1935". The species is tentatively referred to this genus.

Male.—Length 1.5 mm., antennae nearly as long as the body, rather thickly haired, mostly dark brown, the distal portion of the segments yellowish, fourteen segments, the fifth with stems one-half and one and one-half times their diameter, the basal enlargement globose, the distal enlargement with a length twice its diameter, slightly constricted in the middle; there are whorls of stout setae nearly as long as the segment, basally on the basal enlargement, distally on the distal enlargement, the circumfila moderately numerous and with a length about equal to the diameter of the enlargement; palpi quadri-articulate, the first segment quadrate, the second with a length one-half greater than its width, the third and fourth each with a length about four times the width; eyes fused at the apex; mesonotum, scutellum and post scutellum reddish-brown, abdomen mostly yellowish-brown; wings hyaline; halteres whitish, transparent; legs thickly haired, mostly dark brown, femora and tibiae narrowly banded with yellowish at the apex, tarsal segments broadly banded apically with yellowish, the distal tarsal segment of the posterior legs yellowish-white; claws long, strongly curved, unidentate, the pulvilli rudimentary; genitalia yellowish; basal clasp segment moderately long, broad, with a small basal process, terminal clasp segment slender, as long as the basal clasp segment; dorsal plate triangularly emarginate, the lobes tapering and narrowly rounded; ventral plate long, divided, the lobes long, slender, and broadly rounded; harpes broadly sickle-shaped; style long, slender.

Female.—Length 1.5 mm., antennae about one-half the length of the body, rather thickly haired, mostly dark brown, the tips of the segments obscurely yellowish, the fifth with a stem one-fourth the length of the cylindrical basal enlargement, which latter has a length about five times its diameter; ovipositor short, the lobes long, broadly rounded, with a length about five times their width and rather thickly setose. Other characters about as in the male.

Types deposited in the U. S. National Museum, co-types in the collection of the Experiment Station, Pineapple Producers Cooperative Association, Ltd., Honolulu, Hawaii.