

The squamiform hairs on the thorax are difficult to see and in many of the specimens have been rubbed off.

M. hebaridi is close to *M. flavocincta* Wasmann, which lives with the same species of ant in India, but Rev. Wasmann has kindly compared the two and writes that in *hebaridi* the joints of the cerci are much broader than in *flavocincta* and the latter species has yellow bands only on the pro- and mesonotum.

M. hebaridi differs from the other species of *Myrmecophila* in confining itself to one host species. This probably accounts for the small amount of variation in size among the series before me. In a large collection of *Myrmecophila* the size of the crickets is seen to be in proportion to the size of the ant with which it lives. Small individuals are found in colonies of large ants, but in the collection before me, consisting of a series of nine species, it is very noticeable that the large-sized specimens of each species live with large host ants.

DIPTERA. (Family Syrphidæ).

Bardistopus papuanum gen. et sp. n.

(Fig. 1.)

(Near *Microdon*).

Female: Length 6.5 mm. Form very slender; color black with the sides of front, 2nd and 3rd antennal joints, apex of scutellum, metanotum, broad lateral stripes on first gastric segment and legs (except tarsi) reddish brown, tarsi yellowish white. Frons at vertex more than a third as broad as head, not narrowed toward antennæ, subquadrate in shape and barely longer than broad, coarsely and in parts confluent punctate. Ocelli flat, situated on a tubercle which is bordered in front and at sides by a deep groove. Occiput truncate. Face straight in profile, sides with coarse, short, black hairs and yellow pollinose pubescence. Antennæ very long; arista twice as long as basal joint; basal joint about six times as long as 2nd joint; terminal joint about seven times as long as the basal, very gradually thickened toward apex, which is rounded. Thorax coarsely and irregularly punctate and with abundant, semirecumbent, coarse, black hairs. Scutellum transverse, rounded above, unarmed, anterior posterior borders nearly straight. Metanotum strongly transverse; with a sub-circular, broad, shallow depression at middle, microscopically striolate and without hairs. Gaster four times as long as broad, rugulose and punctate, moderately densely covered with semirecumbent, silky hairs. First segment margined at sides and elevated in front; second segment transversely impressed in front, the impression deep near sides; third segment as long as the first and second together. Wings hyaline, veins brown. Halteres yellowish white.