

**Gonomyia (Gonomyia) æqualis**, sp.n.

*Male*—Length 6.1 mm.; wing 6.6 mm.

In all general features quite similar to *Gonomyia mexicana*, the main differences lying in the genitalia of the male, these being as follows: Ninth tergite almost straight across or slightly concave; ninth pleurite moderately stout, the dorsal angle produced caudad as a very slender, finger-like lobe, which is provided with numerous setigerous tubercles; at the base of this lobe on the inner side is a tiny, fleshy protuberance directed proximad; dorsal pleural appendage irregular, fleshy, directed proximad, the caudal or outer face near the apex with a strong, curved, chitinized hook, which is directed dorsad and cephalad, the cephalic or inner face with a row of strong bristles which are longer and more approximated at the tip; ventral pleural appendage a pale, fleshy lobe densely covered with short, pale hairs; penis-guard rather long, compressed, the median appendage pale, slightly curved; anal tube broad, prominent, subtended on either side by a concave wing that bears on the caudal outer angle a fimbriate tuft of yellow bristles.

*Habitat*—Guatemala.

*Holotype*—♂, Totonicopan, Guatemala; July, 1902; (G. Eisen).

*Allotype*—♀, totypic.

The types are in the United States National Museum. This species was earlier determined as being a variety of *Gonomyia unicolor* (Proceedings of the United States National Museum, vol. 44, p. 507, 1913), but is readily separated from both *unicolor* and *mexicana* by the structure of the male genitalia. In *G. unicolor* the hypopygium may be described as follows: Ninth tergite almost straight across or slightly concave; ninth pleurite moderately stout, elongated, the dorsal angle not produced; dorsal pleural appendage a subcylindrical, fleshy lobe from an enlarged base, at the apex, with two powerful bristles, the cephalic or inner face with four small hairs that are evenly spaced; ventral pleural appendage a double lobe, dark-coloured, subchitinized, the inner arm stout, cylindrical, with the tip acute, the inner side with two or three hairs, the outer or more ventral arm is slender, curved, and bears