

A NEW LUCILIA FROM HAWAII

By

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CALLIPHORIDAE

Lucilia graphita new species

Differs from all other *Lucilia* in its unique coloration, which is very dark bronzy green, nearly the color of graphite.

Male

Head somewhat higher than broad (frontal aspect), well rounded above, face somewhat protruding downwards; front opaque black, parafrontals contiguous, silvery pruinose; bucca black, rest of face brownish yellow; parafacials equal to about one-third the distance between oral vibrissae; facial ridge setose nearly one-half its length; beard black. Face a little produced forward along oral axis. Antennae yellowish brown, arista a little longer than length of antenna, long plumose. Mesonotal chaetotaxy as in *L. caesar* (two post acrostichals, etc.); parasquamal patch of setae present; tympanic tuft dense, long and black, located in the pit; mesopleura with coarse stiff hairs; metasternum bare. Abdomen with scarcely a trace of pruinescence; post margin of second (third actual) tergite with row of appressed bristles extending nearly half way across following tergite; hypopygium small; forceps rather small; outer forceps placed in plane at right angles to inner ones, of uniform breadth, nearly five times as long as broad, apex broadly rounded, pile rather short and fairly dense; inner forceps paralleled, fairly slender, sharply pointed, pilose. Wings faintly tinged; basicostal dark brown; subcostal sclerite setose; squamae darkened, bare.

Length: 9.5 mm.; wing, 8 mm.

Female

Front twice as long as wide; uppermost frontorbital in line with frontals. Pile on metasternum represented by two fine hairs.

Length: 9.5 mm.; wing, 8 mm.

Described from one male and one female reared from seal's skull, Laysan Island, May, 1923 (Bryan).

Type: Cat. No. 28275, U. S. Nat. Mus. Also collected on Ocean Island, Midway Island, and Pearl and Hermes Reef (Fullaway).

This species represents an extreme form of the genus *Lucilia*. Its dark color and practically bare metasternum are unique in the genus. Other characters, dark basicostal, setose subcostal sclerite and two post acrostichals, place it close to the *L. caesar* group. The species may be confined to the N. W. outlying islands of Hawaii.