

XII.

JJ.—Small cross-vein at or beyond the middle of discal cell.

a.—Arista dorsal.

$\beta_1\beta_2$.—Third longitudinal vein gently curved.

δ .—Arista feathery plumose.

ε .—Marginal cell open.

b.—Thickly pilose; abdomen without bands, short, thick, arched; hind femora strongly thickened, tibiae much bent; face straight, extending back under the eyes, conical, pointed; wings with a brown spot.....***Arctophila**.

***ARCTOPHILA FLAGRANS** O. S., West. Dipt., 335. Colorado Mountains.

bb.—Less pilose; abdomen with bands; hind femora slender; face truncate.....**Sericomyia**.

SERICOMYIA CHALCOPYGA Lw., Cent. iii, 20. Washington Territory, Mt. Hood, Oregon! Sitka. A dozen specimen from the two former localities, I have no doubt belong here; the male not described by Loew, differs in having the third segment wholly opaque.

XIII.

JJ.—Small cross-vein at or beyond the middle of discal cell.

a.—Arista dorsal.

$\beta_1\beta_2$.—Third longitudinal vein gently curved.

$\varepsilon\varepsilon$.—Arista bare or pubescent.

c.—Marginal cell closed; thorax with yellow markings; abdomen fasciate; antennae short.....**Milesia**.

cc.—Marginal cell open.

d.—Long, slender, abdomen narrower toward the base (wings more or less brownish).....**Ocyptamus** (Bacha).

dd.—Abdomen never linear or club-shaped.

e.—Face distinctly carinate, convex or nearly perpendicular in profile, hyperstoma not produced, eyes bare, hind femora incrassate, with a triangular protuberance.....**Tropidia**.

TROPIDIA QUADRATA (Say). Compl. Wr. 1, 14 (*Xylota*). Washington Terr., California, New England!

ee.—Face without a distinct median ridge or carina, or if somewhat carinated, the hyperstoma produced.

f.—"All the femora strongly thickened and spinose below; tarsi crassate. Face tuberculate; antennae short, third joint as long as two preceding. Small cross-vein subnormal; first posterior cell acute at outer anterior angle, rounded on outer posterior part, the section of vein at distal end of cell, sinuate. Body proportionately short and broad, bare, with minute squamae." Loew, Century v, 38. Small species.....***Lepidomyia**.

ff.—All the femora not strongly thickened and spinose below. Mostly large species.

g.—Nearly bare species, especially on the abdomen, the pile never long nor dense; eyes bare.