

agree so closely with Loew's description that I believe them to be the same.

XYLOTA EJUNCIDA Say. Compl. Wr. 1, 15; Pl. 8, fig. 4. Wash. Terr., Calif. ! New England. Numerous specimens from these localities resemble so closely the Eastern ones, that I scarcely doubt their identity. The third joint of the tarsi varies from yellowish to quite black, and the spine or tubercle of the hind coxæ is quite distinct; the antennæ vary somewhat in color. Is *X. quadrimaculata* Lw. really a distinct species? Observe the discrepancy between the diagnosis and description as regards the male coxæ.

XYLOTA PIGRA (Fab.) Meigen. Oregon, Wash. Terr., Calif. ! Europe and North America. Common.

XYLOTA, sp. nov. Colorado.

Ditlers from *S. bicolor* Lw. in the presence of long coxal spines; in all the tarsi except the last two joints, the anterior and middle tibiae, and the posterior tibiae at base and tips being yellowish-red.

hh.—Face descending more or less below the eyes, often obtusely tuberculate. Thorax either with distinct spots or abdomen banded.

k.—The sixth vein beyond the junction of the posterior basal cross-vein, extends forwards subparallel to the border, the discal cell rounded on its posterior angle, hind femora swollen (and with a triangular protuberance below on outer part; anterior part of wings more or less clouded).

1.—Second joint of antennæ, elongate; antennæ about as long as head, *Mixtemyia*.

II.—Second joint of antennæ not elongated, the antennæ shorter than head, *Spilomyia*.

SPILOMYIA INTERRUPTA, sp. nov.

♂♀.—Very closely allied to *S. longicornis*, but seems to show a constant difference in that the first, third and fifth cross-bands are distinctly though narrowly interrupted, and that the last section of the sixth longitudinal vein is distinctly shorter, scarcely more than half as long as the posterior basal cross-vein. The posterior side of the hind femora are in some specimens quite black. Washington Territory.

The generic differences between our species of *Mixtemyia* and *Spilomyia* are very trivial.

kk.—The last section of the sixth vein short, running directly into the border of the wing, hind femora not swollen, nor with spines or projection below.

m.—Antennæ inserted high up on a conical projection, front very short, face much produced directly downwards, obtusely tuberculate, antennæ shorter or longer than the head, *Sphecomyia*.

SPIHECOMYIA VITTATA (Wied.) O. S., Wied. Aus. Zwei., ii, 87, and 91 (*Psarus ornatus*). Eastern States ! Colorado.

**SPIHECOMYIA BREVICORNIS* O. S., West. Dipt., 341. California.