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3. Antennæ with 12 segments; all the femora of the male incrassated; size larger, (length of the male about 6 mm.; diameter across the thorax 1.5 mm.)......primitiva, sp. n. Antennæ with 7 segments; the hind femora of the male conspicuously incrassated; size smaller (length of the male about 5 mm.; diameter across the thorax about

1 mm.).....valga Harris

Tribe Limnophilini. Genus Limnophila Macquart.

Limnophila subaptera, sp. n.

Subapterous; wing of the male longer than the halter. Male.—Length about 12 mm.; wing 2.5 mm.

Rostrum and palpi dark brown. Antennæ dark brown, apparently with only 15 segments; segments of the flagellum shortoval with stout, black bristles and a sparse, white pubescence. Head grayish with scattered yellowish bristles.

Thoracic dorsum grayish with three indistinct grayish brown stripes, the lateral pair running back on to the scutum; sides of the scutellum yellowish. Pleura gray, the dorso-pleural membranes brownish yellow. Halteres brown, paler basally. Legs long and slender; outer faces of the coxæ grayish except the fore coxæ which are pale yellow; femora pale at the extreme base, the remainder dark brown; tibiæ brownish yellow, the apices darker brown; tarsi brown. Wings subatrophied, long and narow, longer than the halteres (fig. 8), pale basally, darker brown apically.

Abdomen long and slender, brownish gray, the segments narrowly and indistinctly margined with paler; hypopygium with golden-yellow hairs.

Holotype, 3, South Fork of the Kaweah R., California, below 5,000 feet, July 25, 1915, (J. Chester Bradley).

Type in the collection of Cornell University.

Similar to *L. aspidoptera* Coquillett (New Mexico) and like this species having apparently but 15 antennal segments, the reduction being brought about by the fusion or very close approximation of the last two segments; the three basal antennal segments in *aspidoptera* are the more brightly coloured. The most obvious difference is in the elongate wings of the present species, these

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