

the discal cell is no longer than the pedicel, and in hind wings the discal hardly reaches before the fork of the median.

Expanse 26 mm.

From Vineyard, Utah, 27th August (Spalding).

Limnephilus productus, n. sp. (Pl. X, figs. 29, 36).

Palpi yellowish brown, face brown, with much golden yellow hair, and some black bristles; vertex brown, with yellow hair and brown bristles; antennæ yellowish brown, basal joint darker; thorax with black bristles and yellow hair. Abdomen dull black, apex of segments paler; legs yellowish, spines black, those on tibia 1 very short. Wings mostly pale, but area behind median is dark brown, and more or less broken by pale spots, mostly along median vein, some dark spots along radius, longitudinal veins with dark streaks, a hyaline white mark on the thyridium and one on arculus; hind wings pale, with pale venation. In fore wings the discal cell barely reaches before the fork of median. In hind wings fork 5 is no longer than its pedicel, and in hind wings the discal cell begins a little before the posterior anastomosis.

Expanse 27 mm.

From Vineyard, Utah, 27th August, at sugar, (Spalding).

Limnephilus æqualis, n. sp. (Figs. 14, 31).

Palpi pale, very slender, face with yellow hair; vertex darker in front, pale behind, with gray hair, and dark bristles, thorax pale above, with yellowish hair; abdomen pale yellowish, tips of male genitalia black; legs yellowish, with black spines, those on tibia 1 as long as width of the joint. Wings mostly brownish behind, pale in front, costal area unmarked, the brown much broken up, the usual oblique median mark, large pale space below stigma, over base of apical cells, and just before the anastomosis, and extending outward over tips of the first and second subapical cells; few marks in the radial or discal areas, and base of wings is mostly pale; hind wings pale, venation, yellowish. In fore wings the discal cell is longer than its pedicel; in hind wings the discal reaches very much before the fork of median.

Expanse 25 mm.

From Bon Accord, British Columbia, 7th June, (Russell).