

represented only by dark brown margins, there being five such narrow lines, of which the lateral ones are broadest; remainder of the mesonotum grayish yellow, with numerous black setigerous punctures. Pleura yellow, sparsely gray pruinose. Halteres short, yellow, the knob, except at the tip, dark brown. Legs with the coxæ and trochanters yellow; femora dull yellow, the tips indistinctly brown; tibiae brownish yellow; tarsi similar, the terminal segments darker. Wings mottled with brownish gray and whitish; costal cell yellow; subcostal cell similar but even more intense; stigma yellowish brown; membrane brownish gray, with darker spots at the origin of the sector and along the cord; large whitish areas along the cord extending from *R* through cell *Cu*¹ to the wing margin; a pale area beyond the stigma in cell *2nd R*¹ and the base of *R*²; cell *M*¹ largely pale; two large, pale areas in the first anal cell. Venation: *R*² long, a little longer than the petiole of cell *M*¹; cell *1st M*² small, the punctiform *m-cu* inserted at about one-third to one-fourth its length.

Abdominal tergites brownish yellow, becoming darker near the hypopygium; an indistinct, interrupted, brown sublateral stripe; basal segments broadly ringed with silvery; sternites brownish yellow. Male hypopygium rather large. Ninth tergite small, deeply impressed dorso-medially to form two tumid halves; caudal margin flattened, with a deep, V-shaped median notch, the adjacent lobes subacute, reddish, each with a small, U-shaped lateral notch. Ninth pleurite incomplete, the pleural suture deep, the dorsal posterior margin of the pleurite produced dorsad into a flattened, chitinized margin that is truncated apically; outer pleural appendage small, slender, cylindrical. Dorsal inner angle of the ninth sternite with two pendulous, fleshy lobes hanging in the notch of the sternite, these tumid and clothed with abundant long, pale hairs; eighth sternite large, the caudal margin almost straight medially, with a broad fringe of long yellow hairs; the lateral lobes produced.

Habitat.—Kansas.

Holotype.—♂, Lawrence, Douglas County, Kansas, June 4, 1918.

Tipula alaska, new species.

Antennæ with the flagellum uniformly pale brown; meso-