

DESCRIPTIONS OF SOME NEW SPECIES OF TABANIDÆ.

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Chrysops lupus, n. sp.—♀.—Length, 8–9 mm. Face shining yellowish ferruginous, callosities outside of suture, and cheeks black. Antennæ black, base of first joint fulvous. Front grayish pollinose, callosity black. Thorax black, with the usual glaucous stripes. Scutellum black. Abdomen yellow, first segment with a black spot wider anteriorly, and connecting on second segment with a subquadrate spot deeply emarginate posteriorly, which does not attain the posterior margin of the segment. The following segments have four large triangular black spots anteriorly, well separated from the posterior margins, and forming serrate bands on the fifth and sixth segments. Venter yellow, with transverse black spots increasing posteriorly. Legs black; front coxæ, middle femora and tibiæ, distal half of posterior femora, posterior tibiæ and base of tarsi ferruginous.

Wings: root, costal cell, crossband and apical spot brown; first basal cell more than one-half infuscated, second at extreme base only. The crossband reaches the posterior margin only as a brown cloud on the last section of the fifth vein. The apical spot is broad in the distal end of the first submarginal cell and occupies as a brown shade about one-third of the apical part of the second submarginal, being almost disconnected from the crossband by the hyaline triangle which crosses the second longitudinal vein.

Hab.: Grand Lake, Col. Nine females collected by Mr. G. M. Dodge in August. Long's Peak, two females, Mr. E. A. Dodge, July.

The wing picture most resembles *hilaris*, O. S., of any eastern species, though the first basal cell is farther infuscated. The abdominal markings are somewhat like *callidus*, O. S., but the spot on second segment is shaped more as on *indus*, O. S.

Chrysops Pikei, n. sp.—♀. Length, 6–8 mm. Face yellow, the callosities infuscated outwardly. Antennæ slim, first joint yellow, second a little infuscated, the third blackish brown. Front yellow, with black callosity and ocellar space. Thorax black, with wide, well-defined stripes of greenish-yellow. Abdomen yellow, with two broad black median stripes the entire length, and two narrow abbreviated lateral stripes beginning on the third segment. The sixth segment is mostly black. Venter yellow, with slender furcate lateral lines and an abbreviated wider median stripe black. Legs yellow; distal part of anterior tibiæ, anterior and posterior tarsi infuscated.

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