

♀ same as the ♂, except that the pollen on the upper part of the front is more yellow, and the eighth and ninth abdominal segments are shining yellow, posterior margins of the other segments also more or less yellow.

Length, 8 to 11 mm. Southern California. Eleven males and four females, in April and May.

*Thereva duplicis*, n. sp. ♂ black, the femora, tibiae, tarsi, except at apex, and the hypopygium, yellow. Head gray pollinose, the pile wholly yellowish-white, that of the vertex, bristles in upper part of the occiput and on the antennae, black; third antennal joint as long as the first and only slightly wider, style one-fourth as long as the third joint. Pile of thorax mixed black and yellowish-white, the bristles black; pile of pleura white, that on the scutellum more yellowish, the four bristles black. Pile of abdomen yellowish-white, that of the venter white, of the femora mixed black and white, of the tibiae and tarsi black; bristles of legs also black. Wings grayish-hyaline, the veins largely brown and indistinctly bordered with brown, stigma dark brown, fourth posterior cell closed and short petiolate.

♀ same as the ♂, with these exceptions: Pile of front largely black, its pollen yellow; in middle of front are two transverse shining black spots separated from the eyes by a pollinose interval nearly equalling the length of the second antennal joint. Posterior margin of each abdominal segment, except the first, yellow, including the greater portion of the last three segments; base of the third, fourth, fifth and sixth segments, and the whole of the following ones, shining; pile of the fourth and following segments both dorsally and ventrally erect and black.

Length, 9 to 13 mm. South Dakota (Aldrich), Montana (Morrison). One male and two females.

*Thereva otiosa*, n. sp. ♂ black, the knob of the halteres, and posterior margins of the second and third abdominal segments, white, tibiae, except at apex, and base of tarsi, yellow. Head white pollinose; that on upper part of front narrowly black, on the vertex grayish-black; pile of entire head, except the black pile of the vertex, white; bristles of upper part of occiput and on the antennae black. Third joint of antennae five-sixths as long as the first and slightly narrower, style one-fourth as long as the third joint. Thorax grayish-black pollinose and marked with two narrow whitish pollinose vittae, the lateral margin also whitish pollinose; pile of thorax mixed black and white or yellowish, the bristles