

black; pile of pleura and scutellum white, the four bristles of the latter black. Abdomen whitish pollinose, that at the base of the second, third and fourth segments blackish-gray; pile of abdomen, venter and femora white; a few on the hypopygium black; short pile of tibiae and tarsi, like all the bristles of the legs, black. Wings, including the space between costa and auxiliary vein, grayish-hyaline, veins black, narrowly bordered with brown; stigma dark brown, fourth posterior cell narrowly open, or closed and short petiolate.

♀ same as the ♂, with these exceptions: Front dark-brown pollinose on the upper part, and near the middle marked with two large rounded velvet-black spots contiguous to the eyes; eighth and ninth abdominal segments shining, their pile largely black.

Length, 7 to 11 mm. Los Angeles County, California. Nine males and seven females, March to May.

*Thereva novella*, n. sp. ♂ same as *otiosa*, with these exceptions: Style of antennae two-fifths as long as the third joint; pile and bristles of vertex and bristles of occiput yellowish-white; thorax destitute of black pile; knob of halteres brown, margined with yellow; veins of wings largely yellow, stigma also yellow and indistinct.

♀ differs from the ♀ of *otiosa*, besides in the particulars above mentioned, in that the front is destitute of the two round velvet-black spots, having instead a narrow, interrupted, dark-brown cross-band; eighth abdominal segment opaque pollinose, its pile largely yellow.

Length, 8 to 11 mm. Los Angeles County, California. Five males and one female.

*Thereva johnsoni*, n. sp. ♀ black, base of third antennal joint, tibiae, and base of tarsi, reddish. Head yellowish-gray pollinose, front with two transversely oval shining-black spots on its middle; pile of head pale yellow, that of the front mixed with black, bristles of occiput and of the antennae black. First joint of antennae slender, scarcely wider than the second, third joint lanceolate, one and a half times as wide as the second, three-fourths as long as the first joint; style one-fifth as long as the third joint. Thorax yellowish pollinose, marked with two light gray vittae, the sides a purer gray; pile of thorax and scutellum pale yellow, less than half as long as the black bristles, a few black pile on the thorax; pleura gray pollinose and yellowish-white pilose. Knob of halteres brown. Abdominal segments one to six uniformly yellowish-gray pollinose and short yellow pilose, the seventh and following segments shin-