

✓ 74. *Sphærophthalma sicheliana*.

Mutilla sicheliana, Saussure, Ann. Soc. Ent. Fr. 1867, p. 360, t. 8. fig. 10¹; Blake, Trans. Am. Ent. Soc. iii. p. 257².

Sphærophthalma sicheliana, Blake, Trans. Am. Ent. Soc. xiii. p. 217³.

Hab. NORTH AMERICA, Arizona³. — MEXICO^{2 3}, Northern Sonora (*Morrison*), Tehuacan, Eastern Cordillera (*Saussure*¹), Jalisco, San Blas (*Schumann*), Chilpancingo in Guerrero (*H. H. Smith*).

This species varies from 10 to 14 millim. in length. In all the specimens I have seen the black on the mesonotum is much more extended than in Saussure's figure; in fact, in all of them the entire mesonotum is black. The second abdominal segment varies in the amount of black on it, as does also the amount of black on the legs. The third antennal joint is not much longer than the fourth. The keel on the basal ventral segment is very distinct, and is rounded at the base, oblique at the apex, and slightly incised in the middle. The hair on the head and thorax varies from very pale fulvous to deep ochraceous.

✓ 75. *Sphærophthalma philinna*.

Rufo-brunnea; capite, linea mesonoti, abdominis apice segmento 2° apice late argenteo-hirtis. ♀.
Long. 12 millim.

Hab. MEXICO, Venta de Zopilote in Guerrero 2800 feet (*H. H. Smith*).

Head densely covered with white pubescence; subquadrate, rounded in front, transverse behind; the part behind the eyes almost double their width; the antennal tubercles and the base of the mandibles ferruginous. The antennæ ferruginous; the scape curved, covered with long white hair; the third joint twice the length of the fourth. The thorax not much longer than the head, rounded in front, gradually narrowed from the middle to the apex, the apex with an oblique slope, ferruginous; the apex of the mesonotum with a broad curved band of white pubescence, the front part covered with very long black hair; the pleuræ covered with long white hair; the metapleuræ reticulated. The abdomen as long as the head and thorax united; dark ferruginous above, the sides and the ventral surface much lighter in colour; covered with long black hair; the basal segment gradually dilated to the apex, covered with long white hair; the second segment with a broad band of white pubescence, which, in the middle, is triangularly extended backwards, reaching near to the base of the segment; the fourth and fifth segments covered densely with long white pubescence. The pygidium coriaceous, fringed laterally with long fuscous hair. The basal ventral segment coarsely punctured, the keel distinct, long, the base slightly, the apex abruptly oblique; the second ventral segment strongly punctured; the segments 3-5 densely covered with white pubescence; the sixth segment black. The legs ferruginous, covered with long white hair; the tibial spines and the calcaria black.