

*Pupa* bright orange-scarlet, with a pair of prominent anterior projections.

*Female* 2280 $\mu$  long, of which 500 $\mu$  is ovipositor; antennæ 16-jointed, the joints practically sessile; length of antennæ about 730 $\mu$ ; wing 1530 $\mu$  long (but the ♀ varies in size, a small one having the wing only 1360, a large one as much as 1785); thorax small, only 425 $\mu$  long. Thorax black or almost; legs and antennæ pale; abdomen in life bright scarlet. Wings normal; angle formed by third vein, and margin above scarcely short of a right angle; distal part of third vein faint. Fringe very long, some of the hairs exceeding 170 $\mu$ .

*Male*.—Differs by the longer legs and the cylindrical brown abdomen; claspers stout, obtuse. The femora measure in  $\mu$ : anterior, 830; middle, 800; hind, 1000. Antennæ 16-jointed; middle joints with bulb about 60 $\mu$ , and pedicel 40; the hairs on bulb about 140. Scutellum prominent in both sexes.

In Dr. Felt's table (N. Y. State Mus. Bull. 124) it runs to the group of *R. antennariæ* and *R. alticola*, but is distinct from these. *R. alticola* is common in Colorado, making a quite different sort of gall, on *Artemisia Canadensis*.

Another new species of *Rhopalomyia*, collected at Boulder, will be described by Dr. Felt.

## TWO NEW BEES OF THE GENUS PERDITA, VISITING BAILEYA IN NEW MEXICO.

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### *Perdita baileyæ*, n. sp.

♂.—Length, about 6½ mm.; head and thorax shining dark bluish-green (vertex dull and yellower green), with copious white hair; eyes dull pea-green; cheeks unarmed; mandibles (except tips), labrum, clypeus (except the usual dots, and more or less of the upper edge) and lateral marks all *creamy-white*; lateral marks filling the space between clypeus and eye below, but ending abruptly just below level of upper edge of clypeus, except for a very fine streak which runs a short distance up the orbital margin; antennæ pale yellow basally and orange apically, the scape black above, and the first few flagellar joints more or less ringed with blackish above; upper edge of prothorax, tubercles, and spot on the hyaline tegulæ, *cream-colour*; pleura without light markings; wings milky hyaline, stigma light yellow, nervures white; marginal cell with the poststigmatal portion

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