

A New Bee of the Genus *Perdita* From Texas.

By T. D. A. COCKERELL.

Perdita xanthismæ n. sp.

♀.—Length a little over 5 mm; head and thorax dark shining green, with the light markings a very pale yellowish or ochreous; abdomen broad, deep honey-color, either without any distinct markings, or with brown sublateral spots on the segments, connected by obscure nebulous bands. Tongue long; first joint of labial palpi long, about or nearly twice as long as the other three combined; maxillary palpi 6-jointed; mandibles, labrum, clypeus, lateral face-marks (broad below, ending in a five point on orbital margin a little above level of antennæ), dog-ear marks, and a small transverse supraclipeal mark (sometimes evanescent) all light yellowish; cheeks simple, very hairy; front shining; antennæ a sort of pale orange, flagellum dark brown above except at tip; thorax with much white hair; mesothorax shining; upper margin of prothorax, and tubercles, light yellowish, below this the prothorax is mainly brown; pleura dark; tegulæ hyaline; wings rather milky, stigma and nervures colorless; second s. m. rather large, nearly an equilateral triangle, a little cut off at the top; second r. n. distinct, meeting second t. c.; femora dark except at apex; tibiæ and tarsi light yellowish, the tibiæ more or less darkened; claws simple. The first abdominal segment may be brown with a light band, interrupted in the middle.

Hab.—Goldthwaite, Texas, September 4, 1905, at flowers of *Xanthisma texanum*, D. C., collected by Mr. J. C. Crawford, who states that the species is found in various parts of N. Texas.

The following table separates the above species from those which most resemble it:

Vertex and mesothorax nude; very small species; face-markings white in ♂, none in ♀	semicrocea Ckll.
Mesothorax more or less hairy, usually strongly so	1.
1. Anterior femora yellow; males	2.
Anterior femora dark, or mainly so	3.
2. Nervures brown; face bright yellow	rhodura Ckll.
Nervures colorless	sidæ Ckll.
3. Stigma with a brown margin; abdomen bright apricot-color. chamæsarachæ Ckll.	
Stigma with no brown margin; abdomen not so brightly colored	4.
4. Face-marks white, lateral marks not attenuated above (Arizona). mellina Ckll.	
Face-marks light yellowish, lateral marks attenuated above. xanthismæ Ckll.	