

FIVE NEW BEES OF THE GENUS CALLIOPSIS, FROM NEW MEXICO.

BY T. D. A. COCKERELL, N. M. AGR. EXP. STA.

Calliopsis meliloti, n. sp., ♀.—Length, 5 mm.; head and thorax wholly black, abdomen very dark brown, with yellowish-white markings. Head, thorax, legs, and sides of abdomen with abundant long dull white hair. Clypeus prominent, shining, with conspicuous sparse punctures, its upper portion longitudinally sulcate in the middle, its whole surface appearing bare, with only very short, inconspicuous hairs. On each side of the clypeus is a shining bare eminence. Vertex closely punctured. Mandibles brown. Antennæ quite short, the hairy scape not much less than half as long as the flagellum, the last joint of which is truncate and somewhat flattened.

Tegulæ shining testaceous. Dorsum of metathorax bare, smooth. Legs dark, knees and terminal joints of tarsi becoming paler. Wings quite short, hyaline, iridescent, nervures and stigma light reddish-brown. Second submarginal cell about three-fourths length of 1st; narrowed one-half to marginal. Abdomen short and broad, with broad creamy-white bands; that on first segment narrowly interrupted in middle, and roundly notched on each side behind; that on second very broadly interrupted, and also notched at sides; those on third and fourth entire, notched at sides behind; finally an obscure broad subrufescent band partly on fourth and partly on fifth segment. Anal fimbria dirty white.

Habitat.—Las Cruces, N. M., on the College Farm, May 1st, 1895; swept from *Melilotus indica*, together with *Nomada*, *Sphecodes*, *Prosapis*, and four species of *Halictus*, viz.: *bardus*, *stultus*, *pectoraloides*, and *meliloti*.

It is related to *C. cinctus*, Cr., but differs in the abdominal bands being white instead of yellow. The anal fimbria not fuscous, the wings not at all dusky. It has some superficial resemblance to *Perdita albovittata*.

Calliopsis hirsutifrons, n. sp., ♂.—Length about 6 mm.; pitch-black, very shiny, thorax and abdomen without any pale markings, face-markings creamy-white. Face, including clypeus, scape, cheeks, occiput, sides of thorax, post-scutellum, metathorax except basal middle, legs, and lateral hind margins of abdominal segments, with rather dense and fairly long white pubescence. Head transversely oval, ocelli small and close together, vertex with no distinct punctures; clypeus except the usual