

8. *Myrmecocystus melliger semirufus* Emery.

M. melliger var. *semirufus* EMERY, Zool. Jahrb., Abth. f. Syst., VII, 1893, p. 667, ♀ ♂.

Worker. Length 3–4.5 mm.

Differing from the preceding forms of *melliger* in the smaller and more nearly uniform stature of the workers, and in color. Head, thorax, legs and antennæ light yellowish red, petiole brownish, gaster blackish or piceous. Surface of body rather shining. Hairs and pubescence somewhat sparser and shorter than in *mimicus*, gular ammochætæ longer than in any other form of *melliger*. Pubescence most abundant on the gaster to which it gives a grayish tinge and silky luster.

California: San Jacinto (Emery); Needles (Wheeler).

Arizona: Phoenix; Tucson; Yucca (Wheeler).

New Mexico: White Sands (G. v. Krockow).

Emery undoubtedly includes two distinct forms of *melliger* under the name *semirufus*: what I shall regard as the true *semirufus* from California and small workers of *mendax* from Denver, Colorado. He also describes male specimens but does not mention whether these came from California or Colorado. Judging from their size (5–6 mm.) they were probably from the latter state as we should expect both the male and female of *semirufus* to be even smaller than those of *mimicus*. A type specimen from California, received from Prof. Emery, is identical with all the specimens recorded from the above mentioned localities in that state, Arizona and New Mexico. I shall show in the sequel that *semirufus* is a very distinct form ethologically.

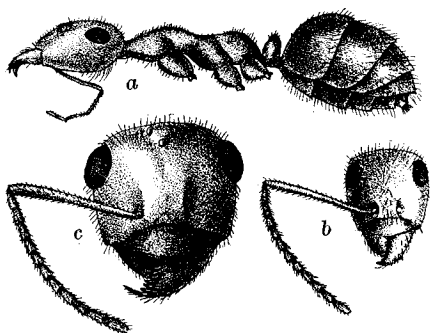


Fig. 8. *Myrmecocystus mexicanus* var. *hortideorum* McCook. a, worker, b, head of same, c, head of female. $\times 10$.

9. *Myrmecocystus melliger semirufus* var. *testaceus* Emery.

M. melliger var. *testaceus* EMERY, Zool. Jahrb., Abth. f. Syst., VII, 1893, p. 667, ♀.

Worker. Length 3–4.5 mm.

Entirely yellowish red. Sculpture, pilosity and pubescence much as in the typical *semirufus*. The pubescence is longest and densest on the gaster to which it gives a grayish color and silky luster.