

FORMICA COCKERELLI, sp. nov.

Plate 4, fig. 3

Female.—Length, 12.0 mm. Head nearly one and one-half times as long as broad, more or less triangular, posterior margin slightly rounded; mandibles small, teeth blunt; anterior margin of clypeus arched; antennae slender, the scapes greatly exceeding the posterior margin of the head; ocelli small, widely separated; thorax about one and one-half times as long and as broad as the head; gaster about two and one-half times as long as the head and twice as wide; head and thorax delicately striated. Length of head, 2.4 mm.; scape, 1.8 mm.; funiculus, 3.0 mm.; thorax, 3.6 mm.; gaster, 6.0 mm. Width of head, 1.8 mm.; thorax, 3.0 mm.; gaster, 3.6 mm.

Holotype.—No. 2889a-b, M. C. Z. (S. H. Scudder).

Paratypes (♀).—No. 78,806, U. S. N. M.

There are four males which I believe belong to this species: length, 9.0 mm. Length of head, 1.5 mm.; scape, 1.5 mm.; funiculus, 3.2 mm.; thorax, 3.0 mm.; gaster, 4.5 mm.; forewing, 9.0 mm. Width of head, 1.5 mm.; thorax, 10.8 mm.; gaster, 2.4 mm.

Allotype.—No. 2890, M. C. Z. (S. H. Scudder).

Paratypes (♂).—No. 10,026, Peabody Museum; no. 17,013a, University of Colorado.

This is not a common species, the types being the only specimens which I have seen. Both castes are readily distinguished from the preceding by their much larger size.

FORMICA GRANDIS, sp. nov.

Plate 6, fig. 3

Female.—Length, 13.0 mm. Head large, triangular, about one and one-half times as long as broad, posterior margin straight; mandibles rather small, with a long terminal tooth; antennae very long and slender, the scape nearly as long as the head; funicular segments about twice as long as broad; thorax relatively small, not over one and one-third times as long as the head, and about as wide; gaster small, not quite twice as long as the head; forewing extending beyond the end of the gaster. Length of head, 3.0 mm.; scape, 2.7 mm.; funiculus, 3.9 mm.; thorax, 4.0 mm.; gaster, 5.5 mm.; forewing, 10.8 mm. Width of head, 2.0 mm.; thorax, 2.3 mm.; gaster, 3.6 mm.

Holotype.—No. 78,801, U. S. N. M. (Lacoe collection.)

Paratype.—No. 2891, M. C. Z.