

Formica moki Wheeler

The body is a dusky reddish yellow; the gaster, top of the head, tips of the funiculi, apical border of the petiolar scale, the coxae and the femora are dark brown or fuscous; the pronotum and mesonotum are infuscated.

Distribution.—Milford (Bradley); Blanding (Woodbury); Bluff (Chamberlin); Parleys Canyon in Salt Lake Co. (Grundmann).

The ants nest in the soil under stones in dry open areas.

Genus POLYERGUS Latreille

Members of this genus are "slave-makers" and are often known as the "amazon ants." The workers pillage nests of *Formica* whose brood they seize and carry to the *Polyergus* colonies. When the raiders are attacked by the occupants of the nest they raid, they apparently pierce the heads or thoraxes of the inmates with their long, sharp, powerful mandibles.

Polyergus rufescens breviceps Emery

The body is subopaque, rather densely pubescent and entirely yellowish brown, except that the tip of the gaster is lightly infuscated. There is a very sudden and strong enlargement near the distal end of each antennal scape.

Distribution.—Green Canyon in Cache Co. (Knowlton and R. E. Nye); Salt Lake Co. (Knowlton); Logan Canyon in Cache Co. (Burrill); Logan (Burrill, Titus); Richfield (Rowe); Chester (Rees).

The ants nest beneath large stones with their slaves which are workers of *Formica fusca* var. *argentea*, *F. fusca* var. *subsericea*, *F. fusca* var. *neorufibarbis* or *F. cinerea* var. *neocinerea*. The mixed colonies are generally large.

Genus MYRMECOCYSTUS Wesmael

All members of this genus are called "honey ants." Colonies vary considerably in size, but all are occupants of arid lands.

KEY TO THE SPECIES OF MYRMECOCYSTUS IN UTAH

1. Mandibles 9-toothed; head and thorax, and usually also the gaster, yellow 2
Mandibles 7-toothed; color always darker, head and thorax red or more or less infuscated 3
2. Large forms, averaging more than 5 mm.; erect hairs on all surfaces of antennal scapes; (head, thorax and gaster yellow).....*mexicanus* var. *horti-deorum* McCook
Small forms, averaging less than 5 mm.; erect hairs only on anterior surfaces of antennal scapes; (head narrow).....*mexicanus navajo* Wheeler
3. Workers polymorphic; erect hairs long, especially on posterior gastric segments; pubescence on gaster long and dense, completely obscuring the shining surface and gives the gaster a silky appearance*melliger mendax* Wheeler
Workers monomorphic; erect hairs short over entire body; gastric pubescence very dilute or absent, so that the gaster is distinctly shining
.....*melliger semirufus* Emery

Myrmecocystus melliger mendax Wheeler

The workers average more than 4 mm. in length, and the stature is extremely variable. The body is dull yellowish red, with the thorax infuscated and the gaster blackish with a silvery gray pubescence.