

Pogonomyrmex barbatus var. *marfensis* Wheeler

Distribution.—Greenriver (Rowe).

Large crater mounds of pebbles are constructed in unshaded areas.

Pogonomyrmex barbatus var. *fuscatus* Emery

Distribution.—Goulding Mountain (Shaw).

Like other members of the *barbatus* group, these ants make crater mounds of pebbles.

Pogonomyrmex barbatus var. *molefaciens* (Buckley)

Distribution.—St. George (Tanner).

The pebble mounds frequently have rather greatly elevated craters which are more oval than spherical.

Pogonomyrmex californicus (Buckley)

This species lacks epinotal spines and is less robust than the forms of *barbatus*.

Distribution.—Hurricane (Rees); St. George (Tanner).

The ants frequently construct small craters of sand, but there may be nothing but an obscure hole marking the entrance to the nest in the ground. Colonies are not large.

Genus MYRMICA (Latreille)

Several forms occur in Utah. They can be distinguished readily from those of *Aphaenogaster* by the pectinate spurs on the hind tibiae. Colonies inhabit, for the most part, the soil beneath stones in moist places, or they occupy decaying logs. The workers are rather sluggish. Determination of workers to the proper subspecies and subspecies is very difficult. The following key has been adapted from one by Dr. N. A. Weber.

KEY TO THE SPECIES OF MYRMICA IN UTAH

1. Epinotal spines present 2
 Epinotal spines absent *mutica* Emery
2. Antennal scapes evenly bent at base and without a dorsal lamina 3
 Antennal scapes with a distinctly angular bend at base and with a dorsal lamina.... 4
3. Epinotal spines long, robust, straight, blunt; head and gaster dark brown or black;
 thorax, petiole and postpetiole deep red to nearly black.....
 *brevinodis sulcinodoides* Emery
- Epinotal spines rather slender, pointed, curved inward; color of body lighter.....
 *brevinodis* Emery
4. Bend of antennal scapes with a suberect lamina at base; postpetiole with a
 comparatively flat ventral surface *sabuleti americana* Weber
- Bend of antennal scapes otherwise 5
5. Bend of antennal scapes with a high thin lamina produced anteriorly and ventrally
 *schencki emeryana* Forel
- Bend of antennal scapes otherwise 6
6. Bend of antennal scapes compressed laterally *scabrinodis mexicana* Wheeler
- Bend of antennal scapes compressed dorso-ventrally: (postpetiole distinctly convex
 ventrally) *lobicornis fracticornis* Emery