

Genus *MONOMORIUM* Mayr  
*Monomorium minimum* (Buckley)

This small, shining, jet-black species, which is the only member of the genus known from Utah, is readily distinguishable from species in allied genera.

*Distribution*.—Clover, Little Valley Ranger Sta., Fishers Pass, Orr's Ranch—all in Tooele Co., Hooper (Knowlton); Salt Lake City (Rowe); Salt Lake Co. (Rowe, Rees); Little Willow Canyon in Salt Lake Co. (Chamberlin); Blanding (Woodbury); Swasey Springs in Millard Co. (Rees); American Fork (Rees and Moffett); 20 Mi. N. Kanab (Cole).

These ants nest beneath stones in rather moist places, or they construct small crater mounds. Some have been found nesting beneath the bark or in the wood of decaying logs.

Genus *SOLENOPSIS* Westwood

KEY TO THE SPECIES OF *SOLENOPSIS* IN UTAH

Body rather uniformly light tan or yellow, appendages lighter.....*molesta* (Say)  
Body distinctly infuscated .....*molesta* var. *validiuscula* Emery

*Solenopsis molesta* (Say)

About 1.3 mm. long, smooth and shining and with sparse and rather long hairs.

*Distribution*.—White Valley in Millard Co. (Fautin).

Apparently only this record is known from Utah. The ants nest beneath stones and logs, or under bark of decaying logs, in moist places. They have also been found occupying nest galleries of other species of ants.

*Solenopsis molesta* var. *validiuscula* Emery

Differs from the typical species chiefly in color and size (being as long as 2 mm.). It is apparently rather abundant and widely distributed in the State.

*Distribution*.—Kaysville, Logan Canyon in Cache Co., Ogden (Knowlton and Stains); Orr's Ranch, Iosepa and Vernon Creek—all in Tooele Co., Current Creek in Duchesne Co., Benson in Cache Co., Moab (Knowlton); Ft. Douglass Reservation, mouth of Emigration Canyon, East Bench near Parleys Canyon. Little Willow Canyon and Lake Blanche trail—all in Salt Lake Co. (Grundmann); Salt Lake City (Rowe, Rees); La Sal Creek in La Sal Mts. in San Juan Co. (Rees); Greenriver in Emery Co. (Knowlton and F. C. Harmston); Leeds (Vasquez); Kanab, Provo (Cole).

Numerous colonies have been found nesting in the same kinds of habitats as those of the typical *molesta*.

Genus *PHEIDOLE* Westwood

Four species, subspecies and varieties are known from Utah, but none seems to be at all well represented. These ants are essentially seed-eaters, but some attend aphids, and most feed upon some dead insects. Seeds are stored in the chambers of most of the nests. There is marked dimorphism in the wingless castes. One caste, the worker, is comparatively small and has a body of rather normal proportions. The other wingless caste, the soldier, has its head much out