

*Formica oreas* var. *comptula* Wheeler

The head and thorax are much darker than in the typical species, being reddish brown. The legs are dark brown or nearly black.

*Distribution*.—St. George (Knowlton); Cove (Knowlton and Stains); Cornish (Knowlton and Rowe, Smith); Wolf Creek in Summit Co. (Rees).

The habitat and nests are like those of the typical species.

*Formica foreliana* Wheeler

The head and thorax are brownish red; the frons, dorsal surface of the thorax, the petiole and the femora are infuscated; the gaster is black. The entire body is opaque.

*Distribution*.—Uinta Mts. in Summit Co. (Grundmann).

Colonies apparently nest beneath stones.

*Formica rufa clivia* Creighton

*Distribution*.—Logan (Thatcher).

Nests are begun under logs or stones in areas of sparse to moderate cover.

*Formica rufa laeviceps* Creighton

*Distribution*.—Warner Ranger Sta. in La Sal Mts., type locality (Creighton).

Nests are in the soil beneath stones and logs; a little detritus is often scattered about the covering object. Colonies are in areas of moderate to sparse cover.

*Formica rufa muscescens* Wheeler

*Distribution*.—Bryce Canyon (Creighton).

Habitat and nest are like those of the preceding subspecies.

*Formica rufa obscuripes* Forel

*Distribution*.—Holliday, Farmington, Fountain Green, Harrisville, Providence, Morgan, Ogden, Hooper, Midvale, Promontory, Bear River City, Amalga (Knowlton); Honeyville (Knowlton, Titus); Brigham, Harrisburg, Layton (Knowlton and Smith); Slaterville (Knowlton and Thatcher); foot of Mt. Logan near Logan (Knowlton and R. E. Nye); Logan (Knowlton, Anthon, Cole); Trout Creek in Juab Co., Logan Canyon in Cache Co. (Thatcher); Huntsville (Knowlton and Hardy); Smithfield, Stansbury Island in Great Salt Lake (Titus); Lehi (Knowlton, Hooker); Salt Lake Valley near Murray, Parleys Canyon in Salt Lake Co. (Grundmann); Garland (Knowlton and Stains); Swasey Springs in Millard Co., Green Canyon in Daguerre Co., Wales (Rees); Provo (Cole); Collinston, Bear River Canyon in Box Elder Co., Providence (collectors unknown).

The ants construct domed mounds of detritus in open areas. These thatched mounds are generally started around the base of some shrub, frequently sagebrush. Colonies are usually very populous, and the workers actively repel animals disturbing the nests. This is one of the most common ants in the State, and its colonies abound at the lower elevations.

*Formica rufa melanotica* Emery

*Distribution*.—mountains of Utah (Creighton).

Nests are reported in aspen groves. The ants build mounds of detritus in areas of moderate to dense cover. Colonies are generally populous.