

*Formica fusca* var. *subsericea* Say

*Distribution*.—Clover, Current Creek, Fishers Pass, Snowville, Right Fork of Logan Canyon in Cache Co. (Knowlton); Logan Canyon (Thatcher); Salt Lake City, Ogden, Brigham, Grantsville, Tooele (Cole).

The ants nest under stones, or they may construct low flat "earthen beds" or mounds.

*Formica fusca* var. *subaenescens* Emery

*Distribution*.—Big Cottonwood Canyon in Salt Lake Co., Oak Creek in Millard Co., Clover, Richfield, Snowville (Knowlton); Green Canyon in Cache Co. (Knowlton and R. E. Nye, Thatcher); Logan (Knowlton, Thatcher, Anthon, Burrill); Diamond Canyon in Juab Co. (Knowlton and Thornley); Woodruff Park in Rich Co. (Knowlton and Smith); Mill Creek Canyon, Little Willow Canyon, S. Fork of Big Cottonwood Canyon, Parleys Canyon—all in Salt Lake Co. (Grundmann); Salt Lake Co. (Chamberlin, Rowe, Rees, Grundmann); Henry Fork Basin in Summit Co., Green Lake in Daggett Co. (Rees); 30 Mi. N. of Kanab (Cole); Providence (Hammond).

Nests are under stones in cold shady woods and forests, and they are generally found only at the higher elevations.

*Formica fusca* var. *gelida* Wheeler

The head and thorax are reddish brown, the upper half of the head is black and the thoracic dorsum is infuscated. The gaster is dark reddish brown or black.

*Distribution*.—Thatcher, Ouray, Josepa, Orr's Ranch in Tooele Co., Riverdale, Orem, Brigham, Salina Co. Snowville, Hardup, Kaysville, Tremonton, Fishers Pass, Grantsville, Garland, Riverside, Willard, Wanship, Corinne, Lewiston, Amalga, St. Johns Sta., Gusher, Curlew, Park Valley and Promontory Ridge—both in Box Elder Co., Salina (Knowlton); Logan (Thatcher and Armstrong); Mill Creek Canyon, Little Cottonwood Canyon, Butterfield Canyon—all in Salt Lake Co. (Grundmann); Salt Lake City (Knowlton, Whitelock); Murray (Hawley).

The ants nest beneath stones or in rotting logs in woods and shady canyons.

*Formica fusca* var. *neorufibarbis* Emery

The head is black; the thorax, petiole, scapes and base of the funiculi are yellowish red, and the legs are a little paler; the gaster is dark reddish brown or black. There is a slight infuscation of the thoracic dorsum only in the smallest workers.

*Distribution*.—Roy, Sharon, Orem, Parowan, Cedar City, Holden, Summit, Leamington, Snowville, Richmond, Petersboro, Lehi, Brigham, Fielding, Collinston, Tremonton, Bear River City, Murray, Smithfield, Paradise, Hunter, Ogden, Trenton, Sardine Canyon in Cache Co., Laketown Canyon in Rich Co. (Knowlton); Amalga (Knowlton and Stains); Bear River City, Hooper (Knowlton and Smith); Newton (Knowlton and Rowe); Hobbie Creek (Knowlton and Sorenson); Salt Lake City (Knowlton, Grundmann); Hyde Park (Smith); Logan Canyon in Cache Co. (Thatcher); Wells-ville, Woods Cross, 20 Mi. E. of Camas in Uinta Mts., 3 Mi. above Suicide Rock in Parleys Canyon in Salt Lake Co., Soapstone Canyon in Uinta Mts. (Grundmann); Salt Lake Co. (Rees, Grundmann); Logan (Burrill, Meacham, Titus); Provo, Snowville (Cole); Ephram, Parleys Canyon in Salt Lake Co. (Rees).

This common variety nests in the soil beneath stones. Colonies occur generally at lower elevations than those of *gelida*, and the nests are usually in drier areas.