

in a phragmotic capacity only. Some of the majors regularly leave the nest to forage with the medias and minors.

A few other observations may be added. Workers returning to the nest always go in through the aperture head-first. They will do so even when this involves considerable struggle with what they are carrying. In the event that some strange ant is on or near the shield, the returning *ulcerosus* workers make no effort to enter the nest. They will wander about nearby until the intruder leaves, at which time they will secure entry to the nest in the usual fashion. It is clear that *ulcerosus* is a very timid ant. It is much afraid of several smaller species, particularly *Xiphomyrmex spinosus insons*. If the two meet, the *Xiphomyrmex* will usually rob the *ulcerosus* worker of anything it is carrying. This may be the reason why the workers of *ulcerosus*, which are returning to the nest with food, will take a needlessly tortuous course over grass tufts. Such a course would minimize the chance for encounters with *Xiphomyrmex*, for the latter ant rarely leaves the surface of the soil when foraging.

Presented below are several records which add to the known range of *ulcerosus*:

ARIZONA: Huachuca Mountains, Carr Canyon, 5400'; Santa Rita Mountains, Sweetwater, 5800'; Chiricahua Mountains, Nat. Mon. Campground, 5400'.

CHIHUAHUA: Sierra de en Medio, Nogales Ranch, 5000'.

SONORA: Cerro San Jose (Naco) 5100'.