CHIHUAHUA:

Sierra de en Medio: Nogales Ranch (5000′) five colonies in *Q. emoryi* or *Q. oblongifolia.*

TEXAS:

Fowlerton (300′) La Salle Co., one colony in *Prosopis juliflora;* Monte Alto (60′), Hidalgo Co., two colonies in *P. juliflora.*

CALIFORNIA:

Agua Tibia Mountains: Dripping Springs (1500′) two colonies in *Q. chrysolepis.*

The records cited above show that *Ps. apache* occurs most frequently in mountainous areas at elevations between 2500 and 6000 feet. In such stations it ordinarily nests in evergreen oaks but, when the range descends below the oak belt, it will nest in mesquite. Whether the ants nest in oak or mesquite they select a good-sized branch or the trunk of the tree as a nest site. They seldom nest in twigs and this response is striking in view of the fact that twigs are a favorite nest site for our eastern species. The branches selected by *apache* are those through which wood-boring insects have driven passages. The ants carefully clean these passages of the detritus left by the insects which made them. In most cases the passages have a diameter several times as great as that of the ants, hence it would seem that the ants could be jarred out of the open ends of the passages without difficulty. This is not the case, for they cling to the walls with great tenacity. To get all the specimens out of a nest it is usually necessary to split the branch into small pieces so that all the passages are exposed. *Ps. apache* is not at all pugnacious. It will bite on occasion but it very rarely stings and the sting is not painful. Since many species of *Pseudomyrmex,* some much smaller than *apache,* sting severely on the slighest provocation, this behavior is rather surprising.

The female of *apache* often becomes physogastric after the colony is well established. The intersegmental membranes do not bulge but are stretched tight between the separated gastric sclerites. Since the latter retain their curvature, the gaster of a physogastric female of *apache* looks like a white tube running through a series of close-