

consisting of vegetable débris collected by the ants. At other times the nests were under stones banked about their edges with débris (like the colonies of *F. rufa* subsp. *difficilis* in the New England hills). The largest nest was found July 17 near Red Rock Cañon opposite the Garden of the Gods. It was a débris mound built around the stem of an *Opuntia*, and measured 40 by 60 cm. in diameter and 5-10 cm. in height. In it were found hundreds of workers, dozens of females, and a few males. The pugnacious workers behaved like the workers of *F. rufa*.

#### *Formica oreas*, n. sp.

*Worker* (Fig. 2). — Length, 4.5-7 mm. With the habitus of *F. rufa* subsp. *obscuriventris* and very similar to the worker of *F. ciliata*, but differing in the following characters: When seen from behind, the petiole, though variable, is usually rounded above or even somewhat depressed in the middle. Some individuals, however, have a blunt median projection; in profile the anterior surface is distinctly convex, the posterior flattened or even somewhat concave, its edge rather sharp. Depth of mesoëpinotal constriction also variable, being considerable in some and not very conspicuous in others. In some individuals the basal and declivous surfaces of the epinotum form almost a right angle with each other.

Body opaque; mandibles, clypeus, frontal area, and front of head somewhat shining.

The pilosity also resembles that of the *ciliata* worker, but is more general, more abundant, and silvery white instead of yellow. Upper and lower surfaces of head, petiole, mesonotum, and mesopleuræ, as well as the remainder of the thorax, with numerous short, erect hairs. These hairs are conspicuously long on the ocellar region. Antennal scapes as well as the legs with prominent, suberect hairs. On the gaster the short, suberect hairs are less conspicuous than in *ciliata*, so that this region appears more uniformly grayish on account of the dense pubescence. Hairs on the terminal segments longer and more slender.

In color the following differences may be observed: legs, especially middle and hind pairs blacker, bases and tips of femora and of tibiæ red; fore coxæ much less infuscated than the posterior pairs. Gaster black, with clear reddish yellow anal segment. Smallest workers much less infuscated on the dorsum than the smallest *ciliata* workers. In some of these minors the vertex, pro- and mesonotum are each blotched with black; but in others the head and thorax are almost immaculate.

*Female* (Fig. 2). — Length, 7.5-9 mm. Robust, and with the stature of the typical *Formica* females. Mandibles 8-toothed. Cly-