

a clear yellow, and in the sculpturing of the head, which is smooth and shining except on the sides, where it is more opaque and reticulate. The vertex is traversed by a few rather widely separated rugæ.

*Female* (deälated).—Length 4 mm.

Differs like the worker in coloration. The whole body is yellow, except the wing insertions, which are black.

Type locality: Austin, Tex.

This variety is based on a single deälated queen which was found accompanied by seven workers and a few larvæ in a small *Holcaspis cinerosus* gall on a live-oak tree. These evidently constituted an incipient colony, remarkable because the queen and two workers were pure yellow, while the five remaining workers were dark-brown with black gasters, like the workers of the typical *fortinodis*. All the workers, however, had the peculiar smoothness of the head and were undoubtedly the offspring of the same mother. I believe this colony must present a case of hybridism, a female of the new variety *gilva* having been fertilized by a male of the typical *fortinodis*. It is difficult to explain the peculiar dichromatism of the workers in this little colony in any other way, since the yellow workers were not callows but perfectly mature, and the queen differed so decidedly in color from the majority of her offspring. Unfortunately the colony was killed by dropping the gall into alcohol before the peculiarities of the workers were noticed.

The Austin specimens of *fortinodis*, together with those representing the varieties *melanoticus* and *gilvus*, all have the petiole much smaller than in Mayr's type and suggest transitions to *Schaumi*. Particularly is this the case with var. *gilvus*, which is based on the female. The female of *Schaumi* and the males of both species being unknown, I am unable to delimit the two species accurately.

8. *Leptothorax longispinosus* Roger.

*L. longispinosus* Roger, Berl. Ent. Zeitschr., VII, 1863, p. 180, No. 69. ♂.

*L. longispinosus* Mayr, Verh. Zool. bot. Ges. Wien; XXXVI, 1886, p. 451. ♂.

*L. longispinosus* Dalla Torre, Catalog. Hymenopt., VII, 1893, p. 125.

*L. longispinosus* Emery, Zool. Jahrb. Abth. f. Syst., VIII, 1894, p. 321. ♂ ♀.

*Worker* (Pl. XII, fig. 9).—Length 2.25–2.5 mm.

Head exclusive of the mandibles not much longer than broad, posterior angles considerably rounded. Mandibles 5-toothed. Eyes of moderate size, rather flattened. Clypeus convex, not impressed in the middle, its anterior border rounded. Antennæ 11-jointed, scape reaching the posterior angle of the head, club 3-jointed; first funicular joint as long as joints 2–4 together; joints 1–3 broader than long; joints 4–6 as long as broad; terminal joint as long as the two pre-