

in front and on the sides, somewhat impressed behind but with straight, entire posterior border. Gaster suboblong, about  $\frac{1}{5}$  longer than broad, a little broader behind than in front, with straight anterior and lateral borders, the latter submarginate and tuberculate. The dorsal surface of the first segment has a distinct median and a pair of lateral longitudinal impressions and is covered with coarse and rather acute tubercles which are more or less connected with one another by reticulations. Legs rather long.

Opaque; mandibles shining, indistinctly punctate and at the base somewhat striolate. Ground surface of body not distinctly punctate; tubercles not abundant, noticeably sparse and small on the sides of the head and thorax, on the petiole and sides and ventral surface of gaster; large and conspicuous on the antennal scapes, especially on their lobes; moderately developed on the front of the head and on the legs.

Hairs brown in some lights, yellowish in others, curved or hooked, sparse and arising only from the tubercles, most numerous on the posterior portion of the gaster.

Ferruginous brown; mandibles, except their teeth, more yellowish red; the tubercles dark brown, the appendages scarcely paler than the remainder of the body.

Described from 20 specimens taken by Prof. NILS HOLMGREN at Mojós, Bolivia.

This species is easily distinguished from *T. iheringi* by its longer antennal scapes, their much broader lobes, the much feebler development of the tuberculation, especially on the smaller postpetiole, etc. It is apparently more closely related to *tucumanus* and its subsp. *cordovanus* BRUCH. Judging from SANTSCHI's description, however, *holmgreni* is smaller than these forms and the latter has much larger eyes.<sup>1</sup> *T. pruinosus* EMERY is also an allied form but has shorter antennæ, a less emarginate clypeus and the tubercles on the body are even less numerous than in *holmgreni*.

119. *Trachymyrmex urichi* FOREL subsp. *panamensis* subsp. nov.

*Worker.* Length 3.5—3.8 mm.

<sup>1</sup> After the completion of the manuscript of this paper Dr. F. SANTSCHI kindly sent me syntypes of *Trachymyrmex tucumanus* subsp. *cordovanus* and of his var. *fracticornis* of the same species. Comparison shows that *holmgreni* is very close to *cordovanus*, but differs in its duller coloration, decidedly broader and less polished mandibles, much broader and more spreading antennal lobes, more erect epinotal spines, and narrower gaster, with the longitudinal impressions on the first segment more marked. The blackish pilosity is much shorter, finer and less conspicuous, especially on the gaster. *T. holmgreni* might be regarded as an extreme subspecies of *tucumanus*.