

longer russet-brown hairs. Anterior and lateral margins of the carapace fringed with rufous hairs. Abdomen clothed with long rufous hairs.

*Carapace* a little longer than broad. Central fovea small, transverse-oval, straight. Ocular tumulus a little broader than long. Anterior row procurved; anterior margin of centrals cutting the middle of laterals, at least one diameter apart (often more), scarcely one diameter to laterals. Longitudinal diameter of laterals greater than diameter of centrals. Sternum longer than broad (12+9), not including labial plate; the latter at the apex, as well as the base of the coxa of pedipalp on the anterior basal angle, studded with numerous cuspules. Protarsi i. and ii. scopulate to the base, and of ii. spinose at the base. Protarsus iii. scopulate on the apical half, of iv. not scopulate, or very slightly so at the apex. Femora, tibiae, and protarsi more or less spinose, especially iii. and iv. Femur iv. with thick scopulate pad on inner side. Tibia i. with one spine on the outer side and two or three spines on the inner side at the apex beneath. No spurs.

*Pedipalp*.—Tibia with 5–6 spines on the inner side. Bulb from outer side piriform, truncate and broadly dilate and spatuliform at the apex. Margins cariniform and raised, the apex terminating in a short stout tooth. One central sinuous carina only at the back.

*Hab.* PANAMA, Chiriqui (*Champion*).

The type of this species, together with three other specimens, all adult males, were taken by Mr. Champion in Chiriqui. Unfortunately, no females were found. It is highly possible that this species is identical with *Sericopelma rubronitens*, Auss., or *Theraphosa panamana*, Karsch, or with both; but I believe it to be distinct from the form which Simon regards as identical with the former. Since no satisfactory conclusion can be arrived at save by an examination of the specimens involved, I have described the form taken by Mr. Champion as a new species.

## 2. *Sericopelma rubronitens*.

*Sericopelma rubronitens*, Auss. Verh. zool.-bot. Ges. Wien, xxv. p. 195, t. 7. fig. 37<sup>1</sup>; E. Simon, Act. Soc. Linn. Bord. xlv. p. 332<sup>2</sup>.

Type, ♂, in Zool. Hofmuseum in Wien.

*Hab.* PANAMA<sup>1 2</sup>, Chiriqui<sup>2</sup>.

## 3. *Sericopelma panamana*.

*Theraphosa panamana*, Karsch, Zeitschr. f. ges. Naturw. liii. p. 845 (1880)<sup>1</sup>.

*Hab.* PANAMA, Chiriqui (*Ribbe*, in *Mus. Berol.*<sup>1</sup>).

Simon regards this as identical with *S. rubronitens*, Auss., since it was taken in the same locality.

Without examining the specimen I cannot offer an opinion. Karsch's descriptions are inadequate.

## XENESTHIS.

*Xenesthis*, E. Simon, Act. Soc. Linn. Bord. xlv. p. 332 (1890).

Femur iv. with a thick scopuliform pad on the inner side. Tibia i. (♂) with two stout spurs on the inner side at the apex. Protarsus iv. thickly scopulate on the inner side. Tarsi not divided by a row of setae.