

A NEW SPECIES OF STEPHANOCIRCUS FROM CHILE

BY THE

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Stephanocircus Wolffsohni, spec. nov.

Head:—The helmet resembles that of the three known American *Stephanocircus*, but is narrow, and bears a comb of but 11 or 12 spines. The central spines of this comb are rounded at their tip, the seventh spine from beneath being the longest, the width of the helmet measured from the base of this spine equalling the length of that spine. There is a comb of five genal spines, the uppermost spine being narrow. The first segment of the maxillary palpus is but little longer than the second. The rostrum nearly reaches to the apex of the fore coxa. The first segment of the antenna is less than twice as long as it is broad, the second segment also being shorter than in the other American species.

Thorax:—The pronotum has a comb of 15 pointed spines. The dorsal bristles in the posterior row of the meso- and metanotum are somewhat longer than the lateral ones

in the male. The epimerum of the metathorax has two rows of bristles, containing in the male four and in the female five bristles each. The episternum of the metathorax as well as the sternum bear each two strong bristles.

Abdomen:—There are two rows of bristles on the tergites, the first and second tergites having some additional bristles in front of the rows. In the male the first to fourth tergites have the bristles very much prolonged, these bristles forming a kind of mane. The seventh tergite has but one apical bristle in both sexes; this bristle is on one side of our only male broad, almost blade-like in side view. The sternites of the second segment has a ventral pair of bristles. On the sternites of the segments three to seven of the male are three bristles on each side, the sternites of segments three to six of the female bearing four bristles with two to four smaller ones in front; on the seventh segment of the female there are two rows of about seven bristles on each side.

Legs:—The hind coxa is less broad than in the other American species of this genus. The hind femur bears two ventral and two or three lateral bristles posteriorly near the apex, there being no bristles further front and on the sides. The tibiae and tarsi resemble those of *S. Mars*, Rothsch., the long bristles, however, are a little shorter than in that species.

Modified segments:—Male. The main portion of the clasping organs is a large clasper which is rounded at the apex, and bears along the apical edge a regular row of very long bristles. The moveable process F cannot clearly be made out in our only male. It is narrow, and bears a peculiar spine as shown in the figure. Above this «finger» there is another process which is club-shaped. In which way this process is connected with the clasper or

the finger we cannot make out. Above the large flap there appears a small stylet-like process, the homology of which is unknown to us; it is in the same position on both sides of the specimen, and seems to project from the inside of the large flap. The manubrium is broad and curved upwards, its apex being pointed. The ninth sternite is partly concealed by the clasper. The ninth tergite bears a strong bristle at its apical edge. The lateral portion of the tenth tergite is rounded off distally and is covered with minute hairs, this sclerite being apparently separated by a suture from the dorsal central sclerite of the tenth tergite.

Female. The eighth abdominal tergite is emarginate at the apex. There are about four long bristles from the ventral apical angle inwards and about as many on the upper half of the lateral surface, besides numerous small bristles which are placed on the lower half of the lateral surface.

The anal tergite (=tenth tergite) has one long bristle. The stylet is nearly three times as long as it is broad at the base.

Length. male 2 mm., female 2.7 mm.

We have one male and three females from Valparaiso, Chile, off *Akodon Olivaceus*, *Akodon Longipilis*, and *Phyllotis Darwini*, collected by Mr. J. A. Wolffsohn.

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