

This species was based upon a single female specimen. Subsequent examination proved it to possess the characters of the genus *Paraiulus*, and provoked the remark that it might be referred to the same species as *P. olmecus*. The uncertainty in this verdict leaves both specific names in an unsettled state, and it is a matter for regret that with the type-specimens available for comparison, no definite conclusion was arrived at. If the two forms are the same, the name *tarascus*, having nine years' priority, must supersede *olmecus*.

6. *Paraiulus filicornis*.

Julus filicornis, Sauss. Mém. Soc. Phys. Genève, xv. p. 377, t. 5. figg. 38, 38 a-d (1860) ¹.

? *Julus filicornis*, Humb. et Sauss. Miss. Sci. Mex., Myr. p. 92 (1872) ².

Hab. MEXICO, Vera Cruz ^{1 2}, Cuernavaca ².

It must be regarded as doubtful whether the specimens from Cuernavaca are specifically the same as the type from Vera Cruz.

From the description it appears that this species, whether one or more is of no great moment, was based upon an immature (*Pseudoiulus*) stage of *Paraiulus*.

In the case of the Cuernavaca examples the size, form, and coloration are said to be the same as in *P. olmecus*, and the statement that the first legs of the male are shorter and thicker than the others excludes the species from *Iulus* and places it in the same category as the immature form of *Paraiulus*. Moreover, since in other particulars the immature male of the latter genus does not appreciably differ from *Iulus*, and since the immature female resembles *Iulus* in all respects, no further justification need be sought for the assumption stated above.

The only structural character mentioned which sharply differentiates the Cuernavaca specimens from the types of *P. olmecus*, *P. amulensis*, *P. aztecus*, and *P. styliifer* is the position of the pores *in front of* the sulcus.

The description of the type from Vera Cruz enumerates no features opposed to the view that the specimen was an immature *Paraiulus*.

Number of segments in Vera Cruz specimens 47, length 28 millim.; number of segments in Cuernavaca specimens 43-44, length 20-23 millim.

7. *Paraiulus rasilis*.

Julus rasilis, Karsch, Zeitschr. ges. Naturwiss. (3) vi. p. 17 (1881) ¹.

Hab. MEXICO, Puebla ¹.

It is not possible by the description to differentiate this species from any of the foregoing. The statements that the segments are longitudinally sulcate up to the pores, which are situated behind the complete transverse sulcus, and that the caudal process is straight, subacute, and surpasses the anal valves, coupled with what is said regarding the appendages of the anterior somites, forcibly suggest that the types were immature males and female of some species of *Paraiulus*. Number of segments 48. Length 27 millim.