

B. *Antennal leaflets short.*

## SORANUS.

*Soranus*, Kaup, Monogr. der Passal. p. 107.

Kaup enumerates four Mexican and one Nicaraguan species under this genus. Its composition is, however, not satisfactory, as it contains species with moderately long and species with very short antennal leaflets, the former of which have a convex and impunctate metasternum and obtuse anterior thoracic angles, and the latter the commencement of a discal plate on the metasternum, with its patch of coarse punctures on its posterior sides, and somewhat produced thoracic angles. They are united only in the form of the carinæ and tubercles of the head, the horn of the vertex being flanked by broad tubercles, which are vertical in front. *Soranus recticornis* is closely allied to *Popilius*.

1. *Soranus haagi*.

*Passalus haagii*, Kaup, Harold's Col. Hefte, iv. p. 21.

*Soranus haagii*, Kaup, Monogr. der Passal. p. 107<sup>1</sup>.

*Hab.* MEXICO<sup>1</sup> (*coll. Haag*).

Unknown to me. If, as implied by Kaup originally referring this species to the genus *Passalus*, the antennal leaflets are very short, his genus *Soranus* should be limited to those species which possess that character, the others, or at any rate *S. recticornis*, being separated from it. To follow this course without examining his *S. haagi* seems, however, unadvisable.

2. *Soranus tropicus*.

*Passalus tropicus*, Percheron, Monogr. des Passales, p. 79, t. 7. fig. 4; Truqui, Rev. & Mag. Zool. 1857, p. 312<sup>1</sup>.

*Soranus tropicus*, Kaup, Monogr. der Passal. p. 109<sup>2</sup>.

*Hab.* MEXICO<sup>1 2</sup>, Jacale, Puebla (*Sallé*), Jalapa (*Höge*).

In this species the antennal leaflets are very short; the anterior angles of the thorax rectangular with the apex blunted; the metasternum without distinct discal plate, but with a slightly depressed patch of coarse punctures on each side.

3. *Soranus wagneri*.

*Passalus wagneri*, Kaup, Harold's Col. Hefte, iv. p. 30<sup>1</sup>.

*Soranus wagneri*, Kaup, Monogr. der Passal. p. 108, t. 7. f. 2<sup>2</sup>.

*Hab.* GUATEMALA<sup>1 2</sup>; NICARAGUA, Chontales (*Janson*).

In *S. wagneri* the antennal leaflets are very short, the anterior angles of the thorax