

## Fam. ARADIDÆ.

This family is represented in Central America by about the same number of species as the Tingitidæ, and by nearly as many genera, viz. twenty-three, two only of these being at all numerous in species, e. g. *Brachyrrhynchus* and *Neuroctenus*. Dr. Bergroth (1892) gives the total number of Nearctic Aradidæ as thirty-six (belonging to five genera), of which twenty-five belong to the one genus *Aradus*; and of the Palæarctic species as sixty-seven, with the same number of genera. The Neotropical Aradidæ are of sluggish habits, living under the bark of decaying trees, often in gloomy places in the forest. With one exception, *Aradus falléni*, Stål, the whole of the Central-American species belong to the Brachyrrhynchinæ, the rostrum in this subfamily being very short and received in a deep groove along the underside of the head. All the known American genera but one\*—*Melanosterphus*, Stål—are represented within our limits, whence five others are added. Some of the species are very local, and the males appear to be very much rarer than the females. We possess two pairs still *in coitu*, showing that the female is placed above the male during copulation.

I am indebted to Dr. Bergroth, who has made these insects his special study for many years, for the loan of several of his types, as well as for a great deal of assistance in working out the large number of Central-American species; and also to Dr. Aurivillius for the loan of various American Aradidæ described by Stål.

## Subfam. ARADINÆ.

## ARADUS.

*Aradus*, Fabricius, Syst. Rhynch. p. 116 (part.) (1803); Fieber, Europ. Hemipt. pp. 34, 110 (1861);

Stål, Enum. Hemipt. iii. p. 135; Bergroth, Proc. Ent. Soc. Wash. ii. p. 335.

*Piestosoma*, Laporte, Essai Class. Syst. Hémipt., in Guérin's Mag. Zool. 1832, p. 35.

Subg. *Quilnus*, Stål, Enum. Hemipt. iii. p. 137 (1873).

*Aradus* includes no fewer than ninety-four described species, a large proportion of which are from the Palæarctic or Nearctic regions. A single species only is known to me from Central America†.

\* *Phimophorus*, Bergr., appears to be a Reduviid.

† Dr. Bergroth has also recorded two other species of the genus from within our limits, but it is possible there is some mistake about the localities. They are as follows:—*A. crenatus*, Say, from Mexico (Wien. ent. Zeit. xiv. p. 168); and *A. quadrilineatus*, Say, from Panama (Proc. Ent. Soc. Wash. ii. p. 335), on the authority of Uhler.