

Complementary datas on behalf of the unity of labidognath spider's neuroendocrin system

JEAN-CLAUDE BONARIC & MICHEL EMERIT

Laboratoire de Parasitologie comparée, Université des Sciences et Techniques du Languedoc, U. M. II,
Place E. Bataillon, 34095 Montpellier Cedex 5, France

The neuroendocrin retrocerebral system of spiders can be related to two models, one concerning labidognath spiders (so called "type *Pisaura*"), the other concerning orthognath spiders, ("type *Avicularia*"). Nevertheless, the two models are functionally similar.

According to Kühne (1959) and Strebble (1966), any species belonging to the genera *Araneus* and *Argiope* were suspected of being unprovided of the "Trofenkomplex", a neurohemal organ (Nh.O.) appended to the Schneider organs 1 (Sch.O.1).

A structural checking undertaken upon two Argiopinae (*Argiope bruennichi* and *A. lobata*) and four Araneinae (*Agalenatea redii*, *Araneus angulatus*, *Nuctenea umbratica* and *Gibbaranea bituberculata*) does not support this absence since Nh.O. can be observed.

We have examined specimens belonging to genera *Philaeus*, *Sitticus* and *Portia*, (Saticidae). The position of the first of Schneider's organs was also verified by ourselves in this ill-known family (as far as such organs are concerned).

Thus, the validity of the so called "type *Pisaura*" first model is enlarged to all labidognath spiders by these complementary datas.