

# The Perilampidae and Eucharitidae (Hym. Chalcidoidea) of the Zoologisches Museum Hamburg

RUDOLF ABRAHAM

## Abstract

The Perilampidae and Eucharitidae in the entomological collections of the Zoological Museum of the University of Hamburg (ZMH) are listed in two data files available in the Museum. They contain dates of 77 specimens of Perilampidae and of 17 specimens of Eucharitidae.

**Key words:** Perilampidae, Perilampus, Eucharitidae,

After the destruction of the Zoological Museum of the University of Hamburg (ZMH) by air raid in 1943 some collections could be bought or were presented to the museum to reorganise a new entomological collection. About 30 years later Weidner (1972) wrote in a synopsis about the new entomological collection that there were no Perilampidae and only one species of Eucharitidae. The following revision of undetermined material of the Hymenoptera – especially of the parasitic groups – showed that there were several specimens of both families.

## Perilampidae

All European specimens of *Perilampus* could be determined and were used – together with those placed in collections of other museums and in private collections – to give a review of the Perilampidae of NW Germany (Abraham, Vidal 1985). About 60 specimens of *Perilampus* belonging to 10 species could be found in the entomological collection of the Zoological Museum.

Meanwhile there are 75 specimens in the collection. According to Noyes (2011) the name *Perilampus lacunosus* Nikolskaja, 1952 has to be changed to *Perilampus aureoviridis* Walker, 1833. The two males of *Perilampus ruschkai* Hellen, 1924 mentioned by Abraham & Vidal (1985) have been examined and are now placed within *Perilampus nitens* Walker, 1834. So the 75 specimens of *Perilampus* belong to only nine species. These are

*P. aeneus* (Rossius, 1790) (9♀, 3♂),

*P. auratus* (Panzer, 1798) (1♀, 1♂),

- P. aureoviridis* Walker, 1833 (1♀, 1♂),  
*P. intermedius* Boucek, 1957 (1♀),  
*P. laevifrons* Dalman, 1833 (13♀, 12♂),  
*P. minutalis* Steffan, 1822 (1♀, 4♂),  
*P. nitens* Walker, 1834 (2♀, 2♂),  
*P. ruficornis* Fabricius, 1793 (5♀, 11♂),  
*P. tristis* Mayr, 1905 (4♀, 4♂).

Most of them were collected in southern parts of Europe. Only *Perilampus laevifrons* Dalman, 1822 seems to live in northern parts of Germany, too. One as yet undetermined species was captured in Africa.

As the Pteromalidae in the entomological collection were arranged after Graham (1969) the Chrysolampinae with one female of *Chrysolampus thenae* (Walker, 1848) were placed within the Pteromalidae. Goulet and Huber (1993) did so, too. Following Gibson *et al.* (1999) and Noyes (2011) Chrysolampinae are now added to Perilampidae. There is one female of *Chrysolampus thenae* (Walker, 1848).

All information about the species of Perilampidae is comprised in a data file available in the entomological collection of the Zoological Museum in Hamburg (ZMH).

### Eucharitidae

Weidner (1972) wrote that there was one species of Eucharitidae in the collection without mentioning a name or a number. It must have been *Eucharis adscendens* Fabricius, 1787, as the specimens of all other species were captured after 1972. The Eucharitidae were sent to J. M. Heraty and in 1985 he determined all of them. Afterwards no further specimens were added. There are now 17 specimens within 5 species and one female of Africa, of which Heraty thought it might be a new species. Only *Eucharis adscendens* was found within Germany. The species are

- Eucharis adscendens* Fabricius, 1787 (12),  
*Stilbula cynipiformis* (Rossi, 1792) (2),  
*Kapala floridana* Ashmead, 1890 (1),  
*Pseudometagea montana* (Ashmead, 1890) (1),  
*Pseudometagea schwarzii* (Ashmead, 1892) (1).

All information about these Eucharitidae is comprised in an other file available in the entomological collection of the Zoological Museum (ZMH).

### References

- Abraham, R. & Vidal, S., 1985: Die Arten der Gattung *Perilampus* Latreille 1809 (Hymenoptera, Chalcidoidea, Perilampidae) im Zoologischen Museum Hamburg und in Nordeutschland. – Ent. Mitt. Zool. Mus. Hamb. 8 (124): 65-69. Hamburg.

- Gibson, G. A. P., 1993: Superfamilies Mymarommatoidea and Chalcidoidea. – In: Goulet, H. & Huber, J. T., 1993: Hymenoptera of the world: An identification guide to families. Research Branch, Agriculture Canada, Publication 1894/E, 669 pp. Ottawa.
- Gibson, G. A. P., Heraty, J. M. & Wooley, J. B., 1999: Phylogenetics and classification of Chalcidoidea and Mymerommatoidea – a review of current concepts (Hymenoptera, Apocrita). – Zool. Scripta. **28** (1-2): 87-124.
- Graham, M. W. R. de V., 1969: The Pteromalidae of North-Western Europe (Hymenoptera: Chalcidoidea). – Bull. Brit. Mus., (Nat. Hist.) (Entomol.) Suppl. **16**: 908 S. London.
- Noyes, J. S., 2011: Universal Chalcidoidea Database. – World Wide Web electronic publication. <http://www.nhm.ac.uk/chalcidoids>. London.
- Weidner, H., 1972: Die Entomologischen Sammlungen des Zoologischen Instituts und Zoologischen Museums der Universität Hamburg, VIII. Teil, Insecta V (Heteroptera, Megaloptera, Raphidioptera, Planipennia, Hymenoptera, Strepsiptera). – Mitt. Hamb. Zool. Mus. Inst., **68**: 107-134. Hamburg.

Author's address:

Prof. Dr. R. Abraham, Biozentrum Grindel und Zoologisches Museum, Universität Hamburg, Martin-Luther-King-Platz 3, 20146 Hamburg, Germany.