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# CATALOGUS INSECTORUM SUECIAE

IX

ANOPLURA

AUCTORE

PER BRINCK



Separatum ex Opuscula Entomologica 1948

Entomologiska Sällskapet i Lund

# Catalogus Insectorum Sueciae.

IX.

## Anoplura.

Auctore PER BRINCK.



The Anoplura as a whole have been rather neglected in Sweden and there is little published on them in this country. The occurrence of certain species has, however, been known for a long time. In his *Fauna Svecica* (1st edition 1746, 2nd 1761) and *Systema Naturae* (10th edition 1758 and 12th 1767, both edited by Linnaeus himself), Linnaeus described several ectoparasites under *Pediculus* and of these 4 have been identified as lice from Swedish animals. One of the Linnean species, *Pediculus humanus* was treated at length by De Geer (*Mémoires*, vol. VII, p. 62, 1778) and by Retzius (*Genera et Species Insectorum*, 1783, p. 201); these authors divided it into the forms *corporis* and *capitis*. If we disregard more or less uncertain notes, most of which are published in veterinary and medical literature, in general textbooks or popular accounts of the life and habits of northern peoples, contributions to the knowledge of the Swedish louse fauna after Linnaeus have been given only by Mjöberg (*Arkiv f. Zool.*, vol. 6: 13, 1910; *Ent. Tidskr.*, vol. 36, p. 282, 1915), Kemner (*Opusc. Ent.*, vol. 3, p. 56, 1938; ib., vol. 4, p. 184, 1939), and by the present writer (*Ohyran på svenska husdjur*, Stockholm 1946; *Svensk Veterinärartidskrift* 1948, p. 12). Further a chiefly morphological survey on *Echinophthirius horridus* has been published by Koffman (*Skand. Veterinärartidskrift*, 1944, p. 137). From a faunistical point of view Mjöberg's paper from 1910 is less valuable, as he often fails to give the origin of the investigated material. However, a great part of it has been found again in the museums, and the examination has shown that Mjöberg probably found Swedish specimens of 8 species, unknown to Linnaeus. Kemner added three species to the list of Swedish Anoplura, and I have myself found three additional species, previously not known in this country.

So I think we know fairly well the number of Anoplura, living in Sweden. Yet, some further species may perhaps be added to the list in the future. Judging from the composition of the neighbouring faunas they are: *Hoplopleura affinis* (Burm.) (parasitizing *Apodemus sylvaticus* L.), *Polyplax reclinata* (Nitzsch) (on *Sorex spp.*; I have examined some hundred specimens of the three Swedish shrew-mice species without finding a louse), *P. borealis* Ferris (described in 1933 from *Ereotomys ?rufocanus* from the Norwegian Finnmark; in Sweden no lice have been caught from northern rodents excl. *Lepus*), and *Cervophthirius burmeisteri* Fahr. and *C. capreoli* Freund (on *Cervus* and *Capreolus* resp.; several samples with Mallophaga have been examined from these animals, but no lice have been found). Further, it must be mentioned that species from Zoo-animals have not been included in the list.

In some cases our knowledge of the Swedish distribution of these parasites is still scanty. I hope, however, that the publication of this list will help to stimulate an interest in the group, so that these deficiencies may be repaired. For some species they are perhaps excusable: these species are very rare all

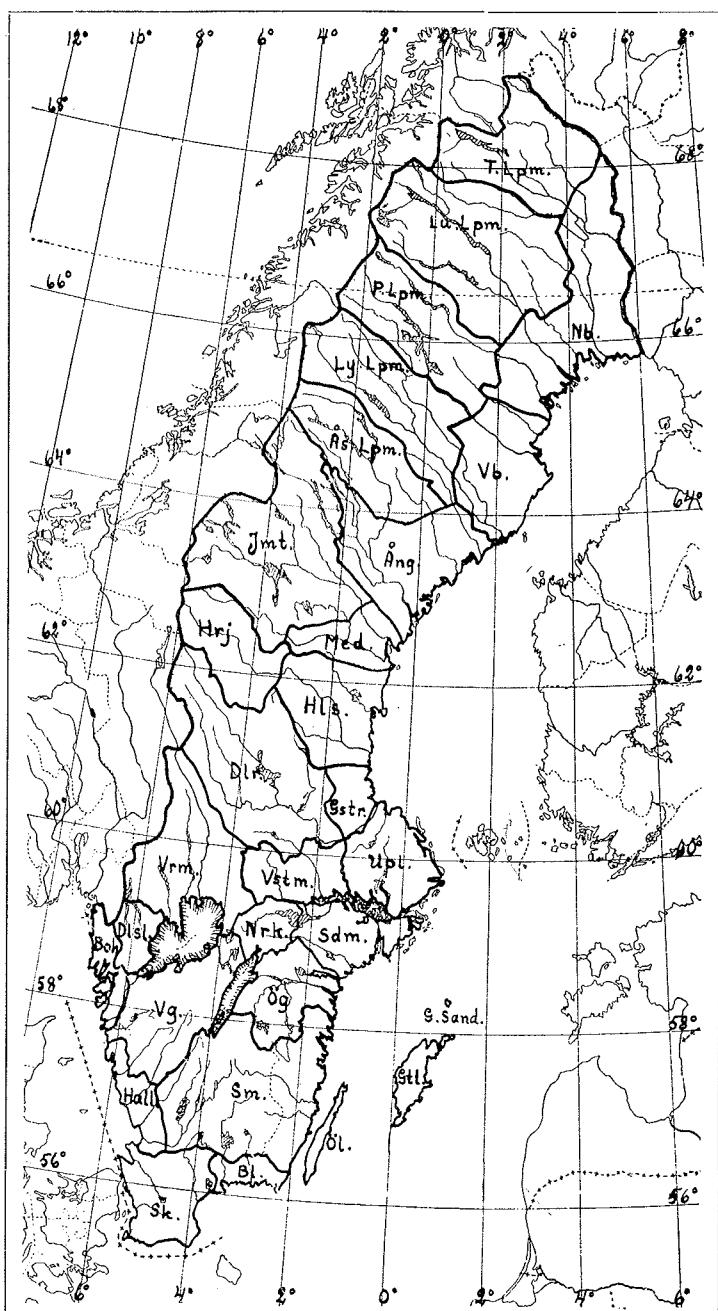
over their known distributional area, only scattered finds have ever been made (*Cervophthirius tarandi*, *Haemodipsus lyriocephalus* and *Polyplax spinigera*).

The present list is the result of studies made by the author on the literature and collections available. I have examined the louse material in the Swedish museums of natural history. Further specimens have been obtained in the field, or from individuals or laboratories, working with Swedish vertebrates and interested in the investigation. I have seen material from the following institutes: the State Museum of Natural History (Riksmuseum), in Stockholm, the Entomological Museum of the Zoological Institute, Lund, the Zoological Institute of the Uppsala University, The Museum of Natural History, Gothenburg, the Swedish Institute for Plant Protection (Statens Växtskyddsanstalt), Stockholm, the State Veterinary Laboratory (Statens Veterinärmedicinska Anstalt), Experimentalfältet, The Royal Veterinary Institute, Stockholm, and the Parasitological Laboratory of the Agricultural Society, Malmö. I am indebted to the officials of these institutes for valuable help. Further my thanks are due to all the physicians and veterinarians who have furnished me with material (samples or data) of certain species of economic importance.

Like most previous catalogues in this series on Swedish insects this section contains data for the neighbouring countries as well as for the Swedish provinces. I am indebted to some scientists for their valuable help with the foreign data. The column for Norway is based upon information from Dr. L. R. Natvig, Zoological Museum, Oslo, and upon notes of discoveries in the Monograph of Ferris (1919—1935). The column for Finland has been worked out by Mag. Wolter Hellén, Zoological Museum, Helsingfors, and completed with some species, established as Finnish by the present writer. It has been impossible to get particulars on the louse fauna of the Baltic States. I am personally responsible for the solid circles for the species living on *Homo*: the specimens were found on people escaping to Sweden during the last war. The circle for the hog louse is based upon a veterinary record. The column for Germany is mainly a summary from Freund (Tierwelt Mitteleur., 4: 13, 1935) and Janecke (Tierwelt Deutschlands, 35, 1938). The column for Denmark is according to the list of Maltbaek (Ent. Medd., 20: 1, 1937), and completed with some records given by O'Mahony (Ent. Month. Mag. 80, 1944, p. 60).

Lund, September 1948.

Per Brinck.



T. Lpm. = Torne Lappmark  
 Lu. Lpm. = Lule Lappmark  
 P. Lpm. = Pite Lappmark  
 Ly. Lpm. = Lycksele Lappm.  
 Ås. Lpm. = Åsele Lappmark  
 Nb. = Norrbotten  
 Vb. = Västerbotten  
 Jmt. = Jämtland  
 Ång. = Ångermanland  
 Med. = Medelpad

Hrj. = Härjedalen  
 Hls. = Hälsingland  
 Dlr. = Dalarna  
 Gstr. = Gästrikland  
 Vrm. = Värmland  
 Vstm. = Västmanland  
 Upl. = Uppland  
 Sdm. = Södermanland  
 Nrk. = Närke  
 Dsl. = Dalsland

Boh. = Bohuslän  
 Vg. = Västergötland  
 Ög. = Östergötland  
 G. Sand. = Gotska Sandön  
 Gtl. = Gotland  
 Öl. = Öland  
 Sm. = Småland  
 Hall. = Halland  
 Bl. = Blekinge  
 Sk. = Skåne

		Sk.	Bl.	Hall.	Sm.	Öl.	Göt.	G. Sand.	Ög.	Vg.	Boh.	Dsl.
<i>Echinophthiriidae</i>												
<i>Echinophthirius horridus</i> (Olf.) ( <i>phocae</i> Lucas, <i>setosus</i> Burm.) .....	1	●	—	—	—	—	—	—	—	●	●	—
<i>Haematoptinidae</i>												
<i>Enderleinellus nitzschi</i> Fahr. ( <i>sphaerocephalus</i> Nitzsch nec Olfers) .....	2	●	—	—	—	—	—	—	—	—	—	—
<i>Polyplax serrata</i> (Burm.) ( <i>affinis</i> Fahr.) .....	3	●	—	—	—	—	—	—	—	●	—	—
» <i>spinulosa</i> (Burm.) .....	4	●	—	—	●	—	—	—	—	—	●	—
» <i>spinigera</i> (Burm.) .....	5	—	—	—	—	—	—	—	—	—	—	—
<i>Hoplopleura acanthopus</i> (Burm.) .....	6	●	—	—	—	—	—	—	—	—	—	—
<i>Haemodipsus ventricosus</i> (Denny) .....	7	●	—	—	—	—	—	—	—	—	—	—
» <i>lyriocephalus</i> (Burm.) .....	8	—	—	—	—	—	—	—	—	—	—	—
<i>Linognathus setosus</i> (Olf.) ( <i>piliferus</i> Burm.) .....	9	●	—	●	—	●	●	—	—	●	●	●
» <i>stenopsis</i> (Burm.) .....	10	●	—	●	—	●	●	—	—	—	—	—
» <i>vituli</i> (L.) .....	11	●	—	●	—	●	●	—	—	—	—	—
<i>Cervophthirius tarandi</i> Mjöberg .....	12	—	—	—	—	—	—	—	—	—	—	—
<i>Solenopotes capillatus</i> Enderl. .....	13	—	—	—	—	—	—	—	—	—	—	—
<i>Haematopinus asini</i> L. ( <i>macrocephalus</i> Burm., equi auct. nec Linné) .....	14	●	—	—	●	●	●	—	—	●	●	●
<i>Haematopinus eurysternus</i> (Nitzsch) ( <i>tenuirostris</i> Burm.) .....	15	●	●	●	●	●	●	—	—	●	●	●
<i>Haematopinus suis</i> (L.) .....	16	●	●	●	●	●	●	●	—	●	●	●
<i>Pediculidae</i>												
<i>Pediculus humanus</i> L. .....	17	—	—	—	—	—	—	—	—	—	—	—
subsp. <i>humanus</i> L. ( <i>corporis</i> DeG., <i>ves-</i> <i>timenti</i> Nitzsch) .....	a	●	●	●	●	●	●	—	●	●	●	—
subsp. <i>capitis</i> DeG. .....	b	●	●	●	●	●	●	●	●	●	●	●
<i>Phthirus pubis</i> (L.) .....	18	●	●	●	●	●	●	●	●	●	●	●

*Host list for Swedish lice*

(based on Swedish collection data, only).

*Carnivora*

- Canis familiaris* L. .... *Linognathus setosus* (Olf.)  
*Vulpes vulpes* (L.) (dom.) .... *Linognathus setosus* (Olf.)

*Pinnipedia*

- Phoca vitulina* L. .... *Echinophthirius horridus* (Olf.)  
*Phoca hispida* Schr. .... *Echinophthirius horridus* (Olf.)

*Glires*

- Sciurus vulgaris* L. .... *Enderleinellus nitzschi* Fahr.  
*Epimys norvegicus* Erx. .... *Polyplax spinulosa* (Burm.)  
*Mus musculus* L. (dom., albino) *Hoplopleura acanthopus* (Burm.), *Polyplax serrata* (Burm.)  
*Apodemus s. sylvaticus* (L.) .... *Polyplax serrata* (Burm.), *P. spinulosa* (Burm.)  
*Arvicola terrestris* (L.) .... *Hoplopleura acanthopus* (Burm.), *Polyplax spinigera* (Burm.)

<i>Microtus agrestis</i> (L.) .....	<i>Hoplopleura acanthopus</i> (Burm.)
<i>Evotomys glareolus</i> Schr. .....	<i>Hoplopleura acanthopus</i> (Burm.)
<i>Lepus timidus</i> L. .....	<i>Haemodipsus lyriocephalus</i> (Burm.)
<i>Oryctolagus cuniculus</i> (L.) .....	<i>Haemodipsus ventricosus</i> (Denny)

Ungulata

### *ora hircus*

*Primates*  
Homo sapiens L. .... *Pediculus h. humanus* L., *Pediculus humanus capitis* De G.,



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