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Received 14 March 1974.

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FOLIA PARASITOLOGICA (PRAHA) 22: 43—44, 1975.

A SURVEY OF THE SUPERFAMILY LISTROPHOROIDEA (ACARINA) IN CZECHOSLOVAKIA

In recent years the studies on mites of the superfamily Lestrophoroidea have received greater attention, resulting in the description of a number of new taxa as well as considerable changes in the taxonomy of this group. Therefore we consider it useful, besides recording new finds of these mites, to review from the present viewpoint hitherto finds in Czechoslovakia.

The material was collected during field expeditions organized by the Institute of Parasitology, Czechoslovak Academy of Sciences. The species new for the territory of Czechoslovakia are marked with an asterisk.

Family Lestrophoridae

The first four species presented have been recorded by Zapletal M. (*Zool. listy* 9: 56—58, 1960):

1. *Metalistrophorus pagenstecheri* (Haller, 1880) from *Sciurus vulgaris*.

2. *Leporacarus (Leporacarus) gibbus* (Pagenstecher, 1862) from *Oryctolagus cuniculus*, but also from *Lepus europaeus*. From rabbits this species is also recorded by Král F. (*Zvěrolék. rozpravy* 17: 1—54, 1943) and from hares by Zavadil R. (*Vet. med.* 7: 167—172, 1962). As for the finds from hares it seems that we have to do with the species *L. (L.) brevicaudatus* (Ullrich, 1939) which is specific to hares.

Material: 1 ♀ and 10 nymphs from *Oryctolagus cuniculus*, Hraštica, 19. 1. 1974.

3. *Listrophorus americanus* Radford, 1944 from *Ondatra zibethica* (also Zapletal M., *Zool. listy* 9: 47—56, 1960). This host is parasitized by the following four species of same genus: *L. validus* Banks, 1910, *L. dozieri* Radford, 1944, *L. ondatrae* Fain, Kok et Lukoschus, 1970 and *L. faini* Dubinina, 1972.

4. *Listrophorus leuckarti* Pagenstecher, 1862 from *Arvicola terrestris*, but also from *Microtus arvalis*, *Apodemus flavicollis* and *Eliomys quercinus*. Rupeš V. (*Acta Soc. Zool. Bohemoslov.* 39: 36—39, 1965) registered it also from *A. flavicollis* and *Clethrionomys glareolus*. The finds on other hosts than *Arvicola terrestris*, however, should be considered accidental.

Material: 20 ♀♀ from *Arvicola terrestris*, pond Tvřz, Božejovice, 27. 8. 1966.

*5. *Listrophorus brevipes* Dubinina, 1968

Material: 18 ♀♀ from *Clethrionomys glareolus*, Nejdeč, district of Mikulov, 22. 2. 1969; 1 ♀ from same host, Drnholec, distr. of Mikulov, 14. 7. 1967.

*6. *Afrolistrophorus apodemi* Fain, 1970

Material: 1 ♂ from *Apodemus flavicollis*, Želany u Teplic, 11. 12. 1970.

Family Myocoptidae

7. *Myocoptes japonensis japonensis* Radford,

1955 from *Clethrionomys glareolus*, recorded by Samšičák K. (Zool. Anz. 158: 107—110, 1957) as *M. glareoli* Samš., 1957.

Material: 1 ♀ from *Sorex minutus*, Lesní bouda, Krkonoše, 29. 9. 1967; 2 ♀♀ and 1 nymph from *Microtus arvalis* and 1 ♀ from *Apodemus sylvaticus*, Pavlovské vrchy, 23. 11. 1967; 1 ♀ from *Clethrionomys glareolus*, Lednice, 19. 11. 1968; 1 ♂ from the same host, Želany u Teplie, 10. 12. 1970; 1 ♂, 1 ♀ and 1 nymph from *Pitymys subterraneus*, Březnice, Doupovské vrchy, 16. 3. 1972.

8. *Myocoptes musculus* (C. L. Koch, 1844) - Zapletal (loc. cit.) recorded it from *Mus musculus*, *Arvicola terrestris*, *Microtus arvalis* and *Clethrionomys glareolus*. Fain A., Munting A. J. and Lukoschus F. (Acta Zool. Path. Antverp. 50: 67—172, 1970) point out that the findings on *M. arvalis* are probably cases of *M. japonensis*. This note, however, may also refer to all finds mentioned except those from *Mus musculus*.

Material: 2 ♂♂, 11 ♀♀ and 7 nymphs from *Mus musculus*, Valtice, 1.—4. 2. 1972.

9. *Trichoecius tenax* (Michael, 1889) — Zapletal (loc. cit.) recorded it from *Mus musculus*, but according to Fain, Munting and Lukoschus (loc. cit.) it has been probably confused with *T. romboutsii* (van Eynhoven, 1946).

Material: 1 ♀ from *Clethrionomys glareolus*, Veltrusy, 4. 5. 1967; 3 ♂♂ and 1 ♀ from same host, Drnholec, distr. Mikulov, 14. 7. 1967; 2 ♂♂ from same host, Pavlovské vrchy, 23. 11. 1967.

*10. *Trichoecius apodemi* Fain, Munting et Lukoschus, 1969.

Material: 2 ♂♂ and 17 ♀♀ from *Apodemus sylvaticus*, Valtice, 6.—7. 2. 1971.

Family Atopomelidae

11. *Chirodiscoides caviae* Hirst, 1917 — Groschafft J. (Čs. parasitol. 4: 137—143, 1957) recorded it from *Cavia cobaya*.

Family Labidocarpidae

*12. *Alabidocarpus belsorum belsorum* (van Eynhoven, 1940)

Material: 2 ♂♂ and 9 ♀♀ from *Myotis brandti*, Dobšinská ice cave, 10. 2. 1971; 2 ♂♂ and 7 ♀♀ from *Myotis myotis*, Harmanč, 12. 2. 1971; 6 ♂♂, 11 ♀♀ and 2 larvae from *Myotis daubentoni*, Karlštejn, 7. 3. 1971.

*13. *Alabidocarpus minor* (Rollinat et Troucsart, 1897)

Material: 1 ♀ from *Rhinolophus hipposideros*, Koněpruské jeskyně, 12. 12. 1970; 1 ♀ from *Rhinolophus ferrumequinum*, Drienovcká cave, 11. 2. 1971; 2 ♂♂ and 10 ♀♀ from same host, Milada cave near Silická Brezová, 12. 2. 1971

*14. *Alabidocarpus eptesicus* Fain, 1970

Material: 2 ♀♀ and 1 larva from *Eptesicus nilssonii*, Dobšinská ice cave, 10. 2. 1971.

*15. *Alabidocarpus calcaratus* Lawrence, 1952

Material: 2 ♀♀ from *Myotis oxygnathus*, the Ladziánsky cave, 10. 2. 1971; 1 ♂ from *Myotis daubentoni*, Karlštejn, 7. 3. 1971

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