

# **HIPPOBOSCIDAE (DIPTERA) FOUND ON SPARROWS IN SOUTHERN MORAVIA**

During examination of sparrows for ectoparasites among others 4 species of the family Hippoboscidae were found. The sparrows were captured from February 1973 till February 1974 in the vicinity of Valtice, at least 25 specimens of each species a month. A total of 365 *Passer domesticus* and 367 *Passer montanus* were examined. The species composition of Hippoboscidae obtained is interesting. According to Povolný D. and Rosický B. (Zool. ent. listy 4: 5—20, 1955) only the species *Ornithomya avicularia* (L.) was found on sparrows in Czechoslovakia. Of the 6 specimens of Hippoboscidae found during our research only one belonged to this species. Our material contained the following species:

## *Ornithoica (Ornithoica) turdi* (Latreille, 1812)

Distribution: Mediterranean Region, Africa (Maa T. C., Pacific Ins. Monogr. 6: 1—186, 1963), Europe — Great Britain, Netherlands, France and Italy (Maa T. C., Pacific Ins. Monogr. 20: 1—312, 1969), Ukraine (Shumilo R. P. and Lunashu M. I., Parazity zhivotnykh i rast. 8: 84—85, 1972) and Far East (Grunin K. Ya., 105. sem. Hippoboscidae. In: Bey-Bienko G. Ya. (Ed.): Opredelitel nasekomykh Evropeiskoy chasti SSSR, Vol. 2, pp. 596—601, Leningrad, 1970). Also in Czechoslovakia several localities are known (Povolný D. and Rosický B., 1955), namely Podunajské Biskupice, Lednice and Košice.

Hosts: 50 genera of 8 orders of birds, primarily Passeriformes, Falconiformes, Cuculiformes and Strigiformes (Maa 1963, 1969).

Material examined: 3 ♀♀, Valtice, 31. 8. 1973, 12. 9. 1973, 19. 9. 1973, all on *Passer montanus*, P. Macháček leg.

## *Ornithophila metallica* (Schiner, 1864)

Distribution: Tropical and subtropical regions of the Old World (Maa 1963), also Mediterranean

Region. Rarely found in Europe; reported from Austria (Schiner I. R., Die Fliegen. Fauna Austriaca, Vol. 2, 658 pp., Wien, 1864), Spain, France, Netherlands, Germany, Yugoslavia and Cyprus (Falcov L., Diptères Pupares, Faune de France, Vol. 14, 64 pp., Paris, 1926). A new species for Czechoslovakia.

Hosts: 134 genera of 13 orders of birds, primarily Passeriformes (Maa 1963, 1969).

Material examined: 1 ♂, Valtice, 7. 7. 1973, on *Passer domesticus*, P. Macháček leg.

## *Ornithomya avicularia avicularia* (Linnaeus, 1758)

Distribution: Palaearctic Region, Australia, occasionally Congo and Cape province (Maa 1963, 1969). According to Povolný and Rosický (1955) the most abundant species of the subfamily Ornithomyinae in Czechoslovakia.

Hosts: 65 genera of 10 orders of birds, primarily Passeriformes, Falconiformes, Psittaciformes, Charadriiformes and Strigiformes (Maa 1963, 1969; Maa T. C., Ins. Micronesia 14: 251—274, 1966; Hill D. S., Hackman W. and Lyneborg L., Not. Ent. 44: 33—52, 1964).

Material examined: 1 ♀, Valtice, 20. 6. 1973, on *Passer domesticus*, P. Macháček leg.

## *Lipoptena cervi* (Linnaeus, 1758)

Distribution: Palaearctic and Nearctic Regions (Maa 1963, 1969). Abundant in Czechoslovakia.

Hosts: Cervidae, only occasionally Equidae, Bovidae, Mustelidae and man. Maa (1969) did not mention any finding on birds. Neither Povolný and Rosický (1955) did record any finding on birds, but they admitted this possibility. This is most probably the first occurrence of this species on birds.

Material examined: 1 ♀, Nesyt, 10. 10. 1973, on *Passer domesticus*, P. Macháček leg.

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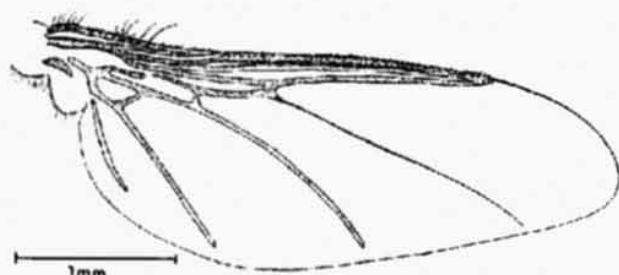


Fig. 1. *Ornithophila metallica* (Schiner, 1864).  
wing