

Some scuttle flies (*Diptera*, *Phoridae*) from Poland

Nowe stanowiska polskich *Phoridae* (*Diptera*)

BY

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ABSTRACT. Nineteen species are listed from northern Poland; 10 of these are new to the Polish fauna.

One of us (R.S.) collected 27 specimens of *Phoridae* in Poland between 1971 and 1978, during the course of studies on small *Nematocera*. These have been identified by one of us (R.H.L.D.). Nineteen species are represented in this collection. As several of these species were obtained in emergence traps (see SZADZIEWSKA, 1977) and a few were reared from *gi* it seems desirable to briefly report on the collection. Our knowledge of the basic natural history of scuttle flies still leaves much to be desired. The ten species marked with an asterisk appear to be new records for Poland. The specimens are on slides in the collection of R.H.L.D.

**Aenigmatias lubbocki* (VERRALL). Inowrocław-Mątwy, *Potentillo-Festucetum arundinaceae*, 30 III 1972, 1 ♂. This species parasitises the cocoons of the ants *Formica fusca* L. and *F. picea* NYLANDER (DONSITHORPE, 1927; SCHMITZ; 1956).

Anevrina thoracica (MEIGEN). Las Piwnicki near Toruń, *Tilio-Carpinetum*, emergence trap over soil, 28 VI 1973, 1 ♂. The larval habitat of this species is in the soil. It has previously been obtained in emergence

traps set over soil beneath oak trees (VARLEY, cited in DISNEY, 1978), in the burrows of rodents (HACKMAN, 1963; BAUMANN, 1977), and pupae have been found in mole nests (MALLOCH, 1908; LUNDBECK, 1922).

Anevrina unispinosa (ZETTERSTEDT). Las Piwnicki near Toruń, *Pino-Quercetum*, emergence trap over soil, 13 VI 1973, 1 ♂. This species has previously been obtained in an emergence trap set over soil beneath an oak tree (VARLEY, in litt.). Adults have been reported visiting corpses of small vertebrates (LUNDBECK, 1922; SCHMITZ, 1941; HACKMAN, 1963).

Diplonevra florea (FABRICIUS). Las Piwnicki near Toruń, *Tilio-Carpinetum*, emergence trap set over soil, 1 VIII 1973, 1 ♂. This species breeds in corpses of small mammals and birds, and in dead snails (SCHMITZ, 1949).

Hypocera mordellaria (FALLÉN). Las Piwnicki near Toruń, *Pino-Quercetum*, emergence trap set over soil, 13 VI 1973, 1 ♀. *Tilio-Carpinetum*, emergence trap over soil, 1 VIII 1973, 1 ♂. The larval stages are unknown, but COLYER (1954) cites it as having been reared from fungus.

**Megaselia altifrons* (WOOD). Las Piwnicki near Toruń, *Tilio-Carpinetum*, emergence trap set over soil, 1 VIII 1973, 1 ♂. The natural history is unknown.

Megaselia brevicostalis (WOOD). Inowrocław-Mątwy, *Salicornietum patulae*, 13 VIII 1973, 2 ♂ and 6 IX 1975, 1 ♀. Aleksandrów Kujawski, salting, 13 VI 1975, 1 ♀. Puck Bay, Baltic Coast, 25 VI 1975, 1 ♂. This species is known to breed in dead snails (LUNDBECK, 1922; BEAVER, 1972).

**Megaselia breviterga* (LUNDBECK). Las Piwnicki near Toruń, *Tilio-Carpinetum*, emergence trap over soil, 18 VII 1973, 1 ♂. This species has been reared from dead snails (ROBINSON, 1971).

**Megaselia cinerea* (SCHMITZ). Las Piwnicki near Toruń, *Tilio-Carpinetum*, emergence trap over soil, 1 VIII 1973, 1 ♂. Natural history unknown.

**Megaselia flavicans* (SCHMITZ). Las Piwnicki near Toruń, *Tilio-Carpinetum*, 1 ♂ and 1 ♀ emerged 8 IX 1973 from a specimen of *Russula* sp. collected 25 VIII. This species has been reared from more than a dozen species of fungi, including several species of *Russula* (SCHMITZ, 1948; EISFELDER, 1956; DISNEY and EVANS, 1978).

**Megaselia luminosa* (SCHMITZ). Aleksandrów Kujawski, salting, 13 VIII 1973, 1 ♀. Natural history unknown.

**Megaselia lutea* (MEIGEN). Las Piwnicki near Toruń, *Tilio-Carpinetum*, emergence trap over soil, 30 V 1973, 1 ♀. This species has been reared from more than thirty species of fungi (SCHMITZ, 1948; EISFELDER, 1956; BUXTON, 1961; DISNEY and EVANS, 1978).

**Megaselia picta* (LEHMANN). Las Piwnicki near Toruń, *Tilio-Carpinetum*, emergence trap over soil, 28 VI 1973, 1 ♂. Natural history unknown.

Megaselia pusilla (MEIGEN). Toruń, 19 V 1971, 1 ♂. Natural history unknown.

Megaselia rufipes (MEIGEN). Gdynia, at window, 8 IX 1978, 1 ♂. Larvae of this species are remarkably polyphagous (ROBINSON, 1971).

**Megaselia unguicularis* (WOOD). Gdańsk-Górki Wschodnie, brackish meadow, 29 VI 1977, 2 ♂. Natural history unknown.

Megaselia sp. 1. Inowrocław-Mątwy, *Salicornietum patulae*, 15 V 1975, 1 ♀. This specimen belongs to „Abteilung IV, zweite Reihe” of SCHMITZ and BEYER (1965). Their key does not deal with females, which therefore cannot be named at present. Both *M. altifrons* and *M. unguicularis* (see above) belong to this group of species.

Megaselia sp. 2. Gdynia, VI 1977, 1 ♂, 1 ♀. These specimens belong to the group of species that includes *M. angelicae* (WOOD), *M. laeviceps* (SCHMITZ) and *M. lata* (WOOD). They do not, however, fit into published definitions of any of these species. They probably represent a new species, but until we have a better understanding of this whole complex it would be unwise to name a new species.

**Phora hamata* (SCHMITZ). Toruń, 19 IV 1972, 1 ♂. Natural history unknown.

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