

SCYDMAENIDAE AND PSELAPHIDAE (COLEOPTERA) FROM THE AGGTELEK NATIONAL PARK

By

C. BESUCHET and J. RUDNER

Fourteen Scydmaenidae and twenty species of Pselaphidae are recorded from the Aggtelek National Park (Hungary). The pselaphid *Bythinus acutangulus acutangulus* Reitter, 1878 and the scydmaenids *Euconus pragensis* Machulka, 1923, *Neuraphes plicicollis* Reitter, 1879, *Neuraphes talparum* Lokay, 1920 are new records for Hungary.

Little is known about the Hungarian fauna of the pselaphids and scydmaenids. Owing to their minute size and the difficulties of collecting the major part of the data are obtained from the area of the Hungarian national parks.

The following table summarises the number of species found in different national parks of Hungary (Besuchet 1983; Besuchet and Merkl 1993; Franz 1983; Merkl 1987) and the estimated number of species in the Carpathian Basin.

	Carpath. Basin	Hortobágy NP	Kiskunság NP	Bükk NP	Aggtelek NP
Scydmaenidae	70	9	12	15	14
Pselaphidae	150	25	32	34	20

LIST OF SPECIES

SCYDMAENIDAE

Cephennium majus Reitter, 1881 — Perkupa: Telekes-völgy. IX. — Two specimens were sifted from leaf litter (*Waldsteinio-Quercu-Carpinetum*).

Cephennium slovenicum Machulka, 1931 — Aggtelek: Szár-hegy; Szin: Szelcepuszta. IV–V. — Two specimens were sifted from leaf litter (*Waldsteinio-Quercu-Carpinetum*).

Neuraphes elongatulus (Müller et Kunze, 1822) — Perkupa: Telekes-völgy; Szögliget: Ménes-völgy. III–IV, XI. — Ten specimens were sifted from leaf litter (*Aegopodio-Alnetum subcarpaticum*, *Waldsteinio-Quercu-Carpinetum*).

Neuraphes talparum Lokay, 1920 — Szögliget: Ménes-völgy. V. — One specimen was swept (*Aegopodio-Alnetum subcarpaticum*). New to the fauna of Hungary (collector: O. Merkl).

Neuraphes plicicollis Reitter, 1879 — Szin: Háló-völgy. IX. — Two specimens were sifted from leaf litter (*Waldsteinio-Quercu-Carpinetum*). New to the fauna of Hungary (collector: O. Merkl).

Neuraphes parallelus (Chaudoir, 1845) — Perkupa: Telekes-völgy. IV. — One specimen was sifted from leaf litter (*Waldsteinio-Quercus-Carpinetum*).

Scydmorephes geticus Saulcy, 1877 — Szögliget: Ménes-völgy. III. — One specimen was sifted from leaf litter (*Aegopodio-Alnetum subcarpathicum*).

Stenichnus godarti (Latreille, 1806) — Aggtelek: Almás-völgy. IX. — One specimen was taken from *Trametes versicolor* (*Waldsteinio-Quercus-Carpinetum*).

Stenichnus scutellaris (Müller et Kunze, 1822) — Aggtelek: Bácsó-nyak; Szin: Szelcepuszta. IV, X. — Two specimens were sifted from garbage.

Stenichnus collaris (Müller et Kunze, 1822) — Aggtelek: Ménes-völgy; Jósvafő: Nagy-Tohonya-f.; Perkupa: Telekes-völgy; Szin: Háló-völgy; Szögliget: Ménes-völgy, Patkós-völgy; Trizs: Eresztvény-tető. III, V–X. — Eleven specimens were sifted from leaf litter and taken from pitfall traps (*Aegopodio-Alnetum subcarpathicum*, *Melittidi-Fagetum*, *Quercetum petraeae-cerris*, *Waldsteinio-Quercus-Carpinetum*).

Euconnus pubicollis (Müller et Kunze, 1822) — Aggtelek: Ménes-völgy; Szin: Háló-völgy; Szögliget: Ménes-völgy. V–VI, X–XI. — Eight specimens were sifted from leaf litter and from an old woodstack (*Aegopodio-Alnetum subcarpathicum*, *Waldsteinio-Quercus-Carpinetum*).

Euconnus pragensis Machulka, 1923 — Szin: Háló-völgy. VI–VIII — Thirteen specimens were sifted from an old woodstack (*Waldsteinio-Quercus-Carpinetum*). New to the fauna of Hungary (collector: O. Merkl).

Euconnus wetherhali (Gyllenhal, 1813) — Jósvafő: Szelce-völgy. V. — One specimen was swept (*Cirsio-Festucetum pratensis*).

Scydmaenus tarsatus Müller et Kunze, 1822 — Bódvaszilas: Vecsem-forrás; Szin: Szelcepuszta. IV, V. — Two specimens were sifted from garbage.

PSELAPHIDAE

Bibloporus minutus Raffray, 1914 — Szin: Szelcepuszta. IV. — One specimen was sifted from leaf litter (*Waldsteinio-Quercus-Carpinetum*).

Biblopectus hungaricus Besuchet, 1955 — Jósvafő: Vass Imre-barlang. XII. — One specimen was collected by E. Spielmann in cave, in pitfall trap.

Euplectus bescidicus Reitter, 1881 — Aggtelek: Szár-hegy. VIII. — One specimen was sifted from leaf litter (*Waldsteinio-Quercus-Carpinetum*).

Euplectus brunneus (Grimmer, 1841) — Szin: Háló-völgy. VI–VII. — Four specimens were sifted from an old, decaying wood-stack (*Waldsteinio-Quercus-Carpinetum*).

Euplectus piceus Motschulsky, 1835 — Szin: Szelcepuszta. IV. — One specimen was sifted from leaf litter (*Waldsteinio-Quercus-Carpinetum*).

Trimium brevicorne (Reichenbach, 1816) — Aggtelek: Bácsó-nyak, Patkós oldal; Jósvafő: Tengerszem, Tohonya-bérc; Perkupa: Telekes-völgy; Szin: Háló-völgy, Szelcepuszta; Szögliget: Ménes-völgy; Trizs: Eresztvényi-tető; IV–VII, IX–XI. — Thirty specimens were sifted from leaf litter and decaying wood (*Aegopodio-Alnetum subcarpathicum*, *Corno-Quercetum pubescentis*, *Melittidi-Fagetum*, *Quercetum petraeae-cerris*, *Waldsteinio-Quercus-Carpinetum*).

Trimium carpathicum Saulcy, 1875 — Aggtelek: Ménes-völgy, Szár-hegy; Jósvafő: Tengerszem; Perkupa: Telekes-völgy; Szin: Szelcepuszta; Szögliget: Ménes-völgy; IV–X. — Nine specimens were sifted from leaf litter and taken from pitfall trap (*Aegopodio-Alnetum subcarpathicum*, *Waldsteinio-Quercus-Carpinetum*).

Trichonyx sulcicollis (Reichenbach, 1816) — Szin: Szelcepuszta. VI. — One specimen was singled from a woodstack (*Waldsteinio-Quercus-Carpinetum*).

Batrisus formicarius Aubé, 1833 — Aggtelek: Vörös-tó. IX. — One old specimen is known from the area.

Bythinus acutangulus acutangulus Reitter, 1878 — Jósvalfő: Vass Imre-barlang; Szin: Háló-völgy. VI, XII. — Two specimens were sifted from an old, decaying wood-stack (*Waldsteinio-Quercus-Carpinetum*). New to the fauna of Hungary (collectors: O. Merkl and E. Spielmann).

Bythinus securiger securiger (Reichenbach, 1817) — Aggtelek: Ménes-völgy; Szögliget: Ménes-völgy. III, V, XI. — Nineteen specimens were sifted from leaf litter (*Aegopodio-Alnetum subcarpaticum*).

Bryaxis bulbifer (Reichenbach, 1816) — Szin: Hangyás-tető. V. — Two specimens were collected from tussock of grass placed in a Berlese funnel (*Cynodonto-Festucetum pseudovinae*).

Bryaxis carinula (Rey, 1888) — Szin: Háló-völgy; Szögliget: Patkós-völgy. VI, VIII. — Three specimens were sifted from leaf litter and woodstack (*Melittidi-Fagetum, Waldsteinio-Quercus-Carpinetum*).

Bryaxis curtisi orientalis Karaman, 1952 — Aggtelek: Szár-hegy; Trizs: Eresztvény-tető. V–VI, VIII. — Five specimens were sifted from leaf litter (*Quercetum petraeae-cerris, Waldsteinio-Quercus-Carpinetum*).

Bryaxis glabricollis glabricollis (Schmidt, 1838) — Jósvalfő: Tengersizem; Perkupa: Telekes-völgy; Szin: Szelcepuszta; Trizs: Eresztvény-tető. IV, VI, IX. — Four specimens were sifted from leaf litter (*Quercetum petraeae-cerris, Waldsteinio-Quercus-Carpinetum*).

Bryaxis nigripennis (Aubé, 1844) — Perkupa: Telekes-völgy; Szögliget: Ménes-völgy; IV, XI. — Six specimens were sifted from leaf litter (*Aegopodio-Alnetum subcarpaticum, Waldsteinio-Quercus-Carpinetum*).

Tychus niger (Paykull, 1800) — Perkupa: Telekes-völgy. III. — One specimen was sifted from leaf litter (*Aegopodio-Alnetum subcarpaticum*).

Brachygluta fossulata (Reichenbach, 1816) — Aggtelek: Ménes-völgy; Jósvalfő: Szelcepuszta; Perkupa: Telekes-völgy; Szin: Szelcepuszta; Szögliget: Ménes-völgy, Vidomáj. III, V, IX, X. — Eleven specimens were sifted from leaf litter (*Aegopodio-Alnetum subcarpaticum*).

Brachygluta haematica haematica (Reichenbach, 1816) — Perkupa: Telekes-völgy. III. — One specimen was sifted from leaf litter (*Aegopodio-Alnetum subcarpaticum*).

Brachygluta haematica sinuata (Aubé, 1833) — Aggtelek: Baradla-kemping; Perkupa: Telekes-völgy; Szin: Szelcepuszta. III, V, VI. — Ten specimens were sifted from leaf litter, one specimen was swept (*Aegopodio-Alnetum subcarpaticum, Cynodonto-Festucetum pseudovinae*).

REFERENCES

- Beauchet, C. (1983): The species of Pselaphidae (Coleoptera) of the Hortobágy National Park. — In: Mahunka, S. (ed.): *The Fauna of the Hortobágy National Park, II*. Akadémiai Kiadó, Budapest, pp. 197–198.
- Beauchet, C. and Merkl, O. (1993): Scydmaenidae, Ptiliidae and Pselaphidae (Coleoptera) from the Bükk National Park. — In: Mahunka, S. (ed.): *The Fauna of the Bükk National Park, I*. Hungarian Natural History Museum, Budapest, pp. 99–103.
- Franz, H. (1983): The species of the family Scydmaenidae (Coleoptera) of the Hortobágy National Park. — In: Mahunka, S. (ed.): *The Fauna of the Hortobágy National Park, II*. Akadémiai Kiadó, Budapest, p. 177.
- Merkl, O. (1987): Scydmaenidae, Corylophidae, Sphaeriidae, Ptiliidae, Scaphidiidae, Pselaphidae and Histeridae of the Kiskunság National Park (Coleoptera). — In: Mahunka, S. (ed.): *The Fauna of the Kiskunság National Park, II*. Akadémiai Kiadó, Budapest, pp. 111–119.