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***Parna reseri*, A NEW LEAF MINER FOR THE
FAUNA OF NORTHERN EUROPE
(HYMENOPTERA, TENTHREDINIDAE)**

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Parna reseri – UUS MINEERIJAJA PÕHJA-EUROOPA FAUNAS (HYMENOPTERA, TENTHREDINIDAE). Mikk HEIDEMAA ja Matti VIITASAARI

Key words: Symphyta, Tenthredinidae, *Parna*, faunistics, leaf miners, sawfly.

The sawfly genus *Parna* Benson consists of four known species worldwide (Liston, 1993). The host plant of three species is known. All these three are leaf miners on *Tilia*. Two species, *P. tenella* (Klug) and *P. reseri* Liston, occur in Europe. Only *P. tenella* has been so far known from northern Europe.

Parna tenella (Klug, 1816)

The larger species of the two, bisexual, with only all coxae black. *Tilia cordata* and *T. platyphylla* are known as the host plants (Liston, 1993).

The finds from Estonia are: Tartumaa, Tõravere, 1♀, 13.06.1990 (J. Luig); Valgamaa, Parniku, in the flood plain of the Koiva River, 1♀, 09.06.1994 (M. Heidemaa); recorded as *P. tenella* are also: Pärnumaa, Nigula Nature Reserve, a few mines and one dead larva on *T. platyphylla*, 03.06.1990 (M. Viitasaari); Hiiumaa, mines in the park of Suuremõisa (Kruus, 1988).

In Finland the confirmed finds are: Helsinki, 1♂, 14.6.1958 (O. Ranin); Hämeenlinna, Aulanko, 2♂♂, 12.6.1976 (V. Vikberg); Tampere, 1♂, 11.6.1948 and 1♀, 11.7.1948 (T. Grönblom). The older examined specimens appeared to be misidentified, representing other genera of Fenusini.

Parna reseri Liston, 1993

The smaller species, exclusively parthenogenetic, and with all coxae, trochanters, and at least base of femora black. The mine is similar to that of *P. tenella*; no distinguishing characters of the larva are known. The known host plant is *T. cordata*.

This species has been recorded in Austria, France, and Poland. It was misidentified under the name *P. kamijoi* Togashi, 1980, before the revision by Liston (1993). There is a find from the Czech Republic, Bohemia, Kolin, by A. Hoffer (in coll. V. Vikberg).

The material collected from Estonia consists of 4♀♀ by Max von zur Mühlen: Dorpat (= Tartu), 05.05.1882, 28.05.1884, 27.05.1885, 23.05.1886; all probably from the same locality.

The examination of the Finnish material revealed two finds. One female was found in Weckjärvi at Borgå (= Porvoo), 23.05.1938, reported as *Scolioneura tenella* by Hellén (1940). All the specimens reared by J. Kangas from Pälkäne, Hausalo (Ta), in 1984 represent *P. reseri*. The rearing took place from larvae on *T. cordata*, and all emerged specimens were females. This material includes inflated, pinned larvae and one mined leaf. This single Finnish find was published under the incorrect name *P. tenella* (Kangas, 1985).

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REFERENCES

- Hellén, W. 1940. Föreningsmeddelanden. Entomologiska Föreningen i Helsingfors. *Notulae Entomologicae*, **20**, 19–32.
- Kangas, J. K. 1985. Pälkäneen sahapistiäisfauna 1953–1983. *Pälkäne-Seuran julkaisuja*, **5**, 1–113.
- Kruus, M. 1988. Suuremõisa pargi kahjurid. In *Eesti saarte loodus ja selle ressurside kasutamine* (Kalamees, K., ed.). *Eesti Looduseuurijate Seltsi Aastaraamat*, **72**, 122–135.
- Liston, A. D. 1993. A new European *Parna reseri* n. sp. (Hymenoptera, Symphyta, Tenthredinidae). *Entomologische Berichte Luzern*, **29**, 73–76.