

First records of some aphid species from Western Siberia (Homoptera: Aphidoidea)

A.V. Stekolshchikov, A.V. Gavrilyuk & T.A. Novgorodova

Stekolshchikov, A.V., Gavrilyuk, A.V. & Novgorodova, T.A. 2007. First records of some aphid species from Western Siberia (Homoptera: Aphidoidea). *Zoosystematica Rossica*, 16(2): 168.

For the first time, *Protaphis dudichi* (Börner, 1940), *Protaphis picridicola* Holman, 1966 and *Uroleucon (Lambersius) erigeronense* (Thomas, 1878) are recorded from Russia and *Stomaphis quercus* (Linnaeus, 1758), *Anoecia (Paranoecia) pskovika* Mordvilko, 1916, *Euceraphis betulae* (Koch, 1855), *Aphis euphorbiae* Kaltenbach, 1843, *Aphis molluginis* (Börner, 1950), *Aphidura picta* Hille Ris Lambers, 1956, *Myzus (Galiobium) langei* (Börner, 1933) and *Sitobion (Metobion) graminearum* (Mordvilko, 1919), from Western Siberia.

A.V. Stekolshchikov, Zoological Institute, Russian Academy of Sciences, Universitetskaya nab. 1, St. Petersburg 199034, Russia. E-mail: aphids@zin.ru

A.V. Gavrilyuk, T.A. Novgorodova, Institute of Animal Systematics and Ecology, Siberian Branch of the Russian Academy of Sciences, Frunze str. 11, Novosibirsk 930091, Russia.

The aphid fauna of Western Siberia is poorly explored so far. Just about 350 aphid species are known from this region with rich flora and diverse landscapes, and most of these species are widespread worldwide or in the Palaearctic. We record 11 species new to the fauna of Western Siberia from Novosibirsk and Kurgan provinces, 3 of them (marked with *) are new to the fauna of Russia.

Stomaphis quercus (Linnaeus, 1758). *Novosibirsk Prov.*: apt., Novosibirsk Distr., Akademgorodok, 25.VI.2000, *Betula pubescens* Ehrh., in bark crevices of trunk up to 2 m of height (T.A. Novgorodova).

Anoecia (Paranoecia) pskovika Mordvilko, 1916. *Novosibirsk Prov.*: apt., Karasuk Distr., vill. Troitskoe, 20.V.2003, *Carex* sp., on roots (T.A. Novgorodova).

Euceraphis betulae (Koch, 1855). *Novosibirsk Prov.*: al., Novosibirsk Distr., vill. Zherebtsovo, 9.IX.2006, *Rosa majalis* J. Herrmann (accidentally), on upper side of leaves (A.V. Gavrilyuk).

Aphis euphorbiae Kaltenbach, 1843. *Kurgan Prov.*: apt., Lebyazhye Distr., vill. Lisye, 15.VI.2006, *Euphorbia* sp., on inflorescence (A.V. Gavrilyuk).

Aphis molluginis (Börner, 1950). *Novosibirsk Prov.*: apt. and al., Toguchin Distr., Bugotak railway station, 9.VII.2006, *Galium ruthenicum* Willd., on stem (A.V. Gavrilyuk).

***Protaphis dudichi** (Börner, 1940). *Kurgan Prov.*: apt., Ketovo Distr., vill. Utyak, 19.VI.2006, *Matricaria matricarioides* (Less.) Porter, on base of stem and on the root collar (A.V. Gavrilyuk). – According to Remaudière & Remaudière (1997), this species is conspecific with *Protaphis antemidis* (Börner, 1940); however, following Blackman & Eastop (2006) we consider it to be a separate species.

***Protaphis picridicola** Holman, 1966. *Kurgan Prov.*: apt., Ketovo Distr., vill. Utyak, 28.VI.2006, *Picris*

hieracioides L., on base of stem and on the root collar (A.V. Gavrilyuk).

Aphidura picta Hille Ris Lambers, 1956. *Novosibirsk Prov.*: apt., Suzun Distr., vill. Meret', 14.VII.2006, *Silene otites* Sm., on stem and lower side of leaves (A.V. Gavrilyuk).

Myzus (Galiobium) langei (Börner, 1933). *Novosibirsk Prov.*: apt. and al., Toguchin Distr., Bugotak railway station, 9.VII.2006, *Galium ruthenicum* Willd., on inflorescence (A.V. Gavrilyuk).

Sitobion (Metobion) graminearum (Mordvilko, 1919). *Novosibirsk Prov.*: apt., Novosibirsk Distr., vill. Zherebtsovo, 9.IX.2006, *Salsola collina* Pall., on upper side of leaves along veins (A.V. Gavrilyuk).

***Uroleucon (Lambersius) erigeronense** (Thomas, 1878). *Novosibirsk Prov.*: apt. and al., Berdsk Distr., near town Berdsk, 4.VIII.2006, *Conyza canadensis* (L.) Cronquist, on stem near inflorescences (A.V. Gavrilyuk).

Acknowledgements

This study was supported by the Russian Foundation for Basic Research (grant no. 06-04-48288) and by the integration project of Russian Academy of Sciences (no. 11.10).

References

- Blackman, R.L. & Eastop, V.F. 2006. *Aphids on the world's herbaceous plants and shrubs*. John Wiley & Sons, Chichester. 1460 pp.
Remaudière, G. & Remaudière, M. 1997. *Catalogue of the world's Aphididae*. INRA Editions, Paris. 474 pp.

Received 18 November 2007