

Acanthia stellata Curtis, 1835 from Great Britain qualified as nomen oblitum to protect the names *Chiloxanthus stellatus* (Curtis, 1835) and *Saldula c-album* (Fieber, 1859) (Heteroptera: Saldidae)

I.M. Kerzhner & N.N. Vinokurov

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Acanthia stellata Curtis, 1835 (May) described from Great Britain is qualified as nomen oblitum to protect its junior primary homonym *A. stellata* Curtis, 1835 (November) described from Arctic North America (now *Chiloxanthus stellatus*) and junior subjective synonym *Salda c-album* Fieber, 1859 (now *Saldula c-album*).

I.M. Kerzhner, Zoological Institute, Russian Academy of Sciences, Universitetskaya nab. 1, St.Petersburg 199034, Russia. E-mail: kim@ik3599.spb.edu

N.N. Vinokurov, Institute of Biological Problems of Cryolithozone, Siberian Department, Russian Academy of Sciences, pr. Lenina 41, Yakutsk 677000, Russia. E-mail: vinok@ibpc.ysn.ru

Lindskog (1995) noted that Curtis (1835a, 1835b) described two different species in the same year as *Acanthia stellata*: one from Great Britain being conspecific with the European *Saldula c-album* (Fieber, 1859) (originally described in *Salda*), the other from Arctic North America, currently known as *Chiloxanthus stellatus* from Arctic Eurasia. Lindskog stated that the 1835a paper was published in May, but the date of publication of the 1835b paper was unknown to him. According to Evenhuis (1997), the latter date is November 1835. Hence, *Acanthia stellata* Curtis, 1835a is a senior primary homonym of *A. stellata* Curtis, 1835b and a senior subjective synonym of *Salda c-album* Fieber, 1859. Since Reuter (1895), the name *stellata* Curtis, 1835a was not used as a valid one (see Lindskog, 1995, for details), whereas its junior homonym and junior synonym were used in more than 25 works of 10 authors in the immediately preceding 50 years (see below). In accordance with Article 23.9.2 of the International Code of Zoological Nomenclature (4th edition), *Acanthia stellata* Curtis, 1835a is qualified as nomen oblitum and two other names, as *nomina protecta*. The qualifying references, listed in alphabetic order, are as follows:

for *Chiloxanthus stellatus*: Bahr & Schulte, 1976; Brooks & Kelton, 1967; Cobben, 1960; Kerzhner & Jaczewski, 1964; Kiritschenko, 1960; Khruleva, 1989; Lammes & Rinne, 1990; Lindskog, 1995; Linnavuori, 1967; Matis, 1986; Matis et al., 1977; Meinander, 1972; Nazarov, 1984; Olshwang, 1992; Péricart, 1990; Polhemus, 1985, 1988; Schuh et al., 1987; Sedykh, 1974; Usinger, 1960; Vinokurov, 1979, 1988; Vinokurov & Kanyukova, 1995a, 1995b; Vinokurov & Stepanov, 2003; Zasyapkina et al., 1996;

for *Saldula c-album*: Andersen & Gaun, 1974; Aukema, 1989; Bernhardt, 1992; Cobben, 1960, 1968; Coulianos & Ossiannilsson, 1976; Dethier & Péricart, 1990; Gerend & Reichling, 1994; Heiss, 1972; Hoberlandt, 1977; Kerzhner & Jaczewski, 1964; Lindskog,

1975, 1995; Linnavuori, 1967; Lukashuk, 1997; Péricart, 1990; Polhemus, 1985; Putshkov & Putshkov, 1996; Schuh et al., 1987; Southwood & Leston, 1959; Vinokurov, 2004; Wagner, 1961; Wagner & Weber, 1966; Wryblewski, 1966, 1968.

References

- Andersen, N.M. & Gaun, S. 1974. Fortegnelse over Danmarks tæger (Hemiptera-Heteroptera). *Entomol. Meddel.*, **42**: 113-134.
- Aukema, B. 1989. Annotated checklist of Hemiptera-Heteroptera of the Netherlands. *Tijdschr. Entomol.*, **132**: 1-104.
- Bahr, Y.G. & Schulte, G. 1976. Die Verbreitung der Uferwanzen (Heteroptera: Saldidae) im brackigen und marinen Litoral der nordamerikanischen Pazifikküste. *Mar. Biol.*, **36**: 37-46.
- Bernhardt, K.-G. 1992. Die Wanzen (Heteroptera) des Fürstentums Liechtenstein. I. Teil: Die Fauna des ausseralpinen Raumes. *Ber. bot.-zool. Ges. Liechtenstein-Sargans-Werdenberg*, **19**: 295-325.
- Brooks, A.R. & Kelton, L.A. 1967. Aquatic and semi-aquatic Heteroptera of Alberta, Saskatchewan, and Manitoba (Hemiptera). *Mem. entomol. Soc. Can.*, **51**: 5-92.
- Cobben, R.H. 1960. Fam. Saldidae. Die Uferwanzen Europas. Hemiptera-Heteroptera Saldidae. In: Stichel, W. *Illustrierte Bestimmungstabellen der Wanzen II. Europa (Hemiptera-Heteroptera Europae)*, **3**: 209-263. Berlin-Hermsdorf.
- Cobben, R.H. 1968. *Evolutionary trends in Heteroptera. Part I. Eggs, architecture of the shell, gross embryology and eclosion*. Wageningen. 475 p.
- Coulianos, C.-C. & Ossiannilsson, F. 1976. Catalogus Insectorum Sueciae. VII. Hemiptera Heteroptera. 2nd Ed. *Entomol. Tidskr.*, **97**: 135-173.

- Curtis, J.** 1835a (May). *British Entomology: being illustrations and descriptions of the genera of insects found in Great Britain and Ireland: containing coloured figures from nature of the most rare and beautiful species, and in many instances of the plants upon which they are found*, 12: pls 530-577. London.
- Curtis, J.** 1835b (November). Insects. Descriptions &c. of the insects brought home by Commander James Clark Ross, R.N., F.R.S., &c. In: Ross, J.C. *Appendix to the narrative of a second voyage in search of a north-west passage and of a residence in arctic regions during the years 1829, 1830, 1831, 1832, 1833*: lvii-lxxx. London: Webster.
- Dethier, M. & Péricart, J.** 1990. Les Hétéroptères Leptopodomorpha de Suisse. *Mitt. Schweiz. entomol. Ges.*, 63: 33-42.
- Evenhuis, N.L.** 1997. *Litteratura taxonomica Diptero-rum (1758-1930)*. Leiden: Backhuys. 2 vols, 871 p.
- Gerend, R. & Reichling, L.** 1994. Liste (provisoire) des Hémiptères du Grand-Duché de Luxembourg. *Bull. Soc. Natur. Luxemb.*, 95: 273-286.
- Heiss, E.** 1972. Zur Heteropterenfauna Nordtirols (Insecta: Heteroptera). II. Aradoidea + Saldoidea. *Ber. natur.-med. Ver. Innsbruck*, 59: 73-92.
- Hoferlandt, L.** 1977. Enumeratio insectorum Bohemoslovakiae. Teil 1. Heteroptera. *Acta faun. entomol. Mus. nat. Pragae, suppl.* 4: 61-82.
- Kerzhner, I.M. & Jaczewski, T.L.** 1964. Order Hemiptera (Heteroptera). In: Bei-Bienko, G.Ya. (Ed.). *Opredelitel' nasekomykh evropeiskoi chasti SSSR* [Keys to the insects of the European part of the USSR], 1: 655-845. Moscow-Leningrad: Nauka. (In Russian; English translation: Israel Program for Scientific Translation, Jerusalem, 1967: 851-1118).
- Khruleva, O.A.** 1989. Ecological and faunal review of entomofauna. In: *Rasitel'nyi i zhivotnyi mir zapovednykh ostrovov* [Plant and animal world of insular nature reserves]: 117-130. Moscow. (In Russian).
- Kiritshenko, A.N.** 1960. Heteroptera of the eastern part of Arctic Eurasia. *Entomol. Obozr.*, 39(3): 617-628. (In Russian).
- Lammes, T. & Rinne, V.** 1990. Maps of the provincial distribution of Finnish Heteroptera. *Entomol. Fenn.*, 1: 209-220.
- Lindskog, P.** 1975. Taxonomy and systematics of some species groups of *Saldula* Van Duzee, with a discussion of riparian-terrestrial shifts in the Saldidae (Heteroptera). *Zool. Scripta*, 4: 159-174.
- Lindskog, P.** 1995. Family Saldidae. In: Aukema, B. & Rieger, Chr. (eds). *Catalogue of the Heteroptera of the Palaearctic Region*, 1: 116-137. Netherlands Entomological Society.
- Linnavuori, R.** 1967. Nivelkärsäiset II. Luteet 2. Geocorisae. *Suomen Eläimet (Animalia Fennica)*, 11. Porvoo & Helsinki: W. Söderström. 232 p.
- Lukashuk, A.O.** 1997. *Annotated list of the Heteroptera of Belarus and Baltia*. 44 p. St.Petersburg.
- Matis, E.G.** 1986. *Nasekomye Aziatskoi Beringii* [Insects of Asiatic Beringia]. Moscow: Nauka. 302 p. (In Russian).
- Matis, E.G., Vinokurov, N.N. & Glushkova, L.V.** 1977. On the fauna of bugs (Heteroptera) of Kolyma-Okhotsk Plateau. In: *Fauna i ekologiya nasekomykh Vostochnoi Sibiri* [Fauna and ecology of insects of East Siberia]: 3-26. Irkutsk. (In Russian).
- Meinander, M.** 1972. The invertebrate fauna of the Kilpisjärvi area, Finnish Lapland. 7. Hemiptera. *Acta Soc. Fauna Flora Fenn.*, 80: 67-92.
- Nazarov, V.I.** 1984. Reconstruction of Byelorussian landscapes based on paleontological data (Anthropogene). *Trudy paleontol. Inst. Akad. Nauk SSSR*, 205: 1-96. (In Russian).
- Olshwang, V.N.** 1992. *Struktura i dinamika naseleniya nasekomykh yuzhnogo Yamala* [Structure and dynamics of the insect population in the southern Yamal]. Ekaterinburg. 104 p. (In Russian).
- Péricart, J.** 1990 Hémiptères Saldidae et Leptopodidae d'Europe occidentale et du Maghreb. *Faune de France*, 77. Paris. 238 p.
- Polhemus, J.T.** 1985. *Shore bugs (Heteroptera, Hemiptera; Saldidae). A world overview and taxonomy of Middle American forms*. Englewood. 252 p.
- Polhemus, J.T.** 1988. Family Saldidae Amyot and Serville, 1843, the shore bugs. In: Henry, Th.J. & Froeschner, R.C. (Eds). *Catalog of the Heteroptera, or true bugs, of Canada and the continental United States*: 665-681. Leiden, etc.: E.J. Brill.
- Putshkov, V.G. & Putshkov, P.V.** 1996. *Heteroptera of the Ukraine: Check list and distribution*. 108 p. St.Petersburg.
- Reuter, O.M.** 1895. Species palaearticae generis *Acanthia* Fabr., Latr. *Acta Soc. Sci. Fenn.*, 21(2): 1-58.
- Schuh, R.T., Galil, B. & Polhemus, J.T.** 1987. Catalog and bibliography of Leptopodomorpha (Heteroptera). *Bull. Am. Mus. natur. Hist.*, 185(3): 243-406.
- Sedykh, K.F.** 1974. *Zhivotnyi mir Komi ASSR* [Animal world of the Komi ASSR]. Syktyvkar. 191 p. (In Russian).
- Southwood, T.R.E. & Leston, D.** 1959. *Land and water bugs of the British Isles*. London: Warne. ix, 456 p.
- Usinger, L.** 1960. Observations on the biology of *Chiloxanthus stellatus* (Curtis) and *C. arcticus* (Sahlberg) (Hemiptera: Saldidae). *Pan-Pacific Entomol.*, 36(4): 189-190.
- Vinokurov, N.N.** 1979. Nasekomye poluzhestkokrylye (Heteroptera) Yakutii. *Opredeliteli po faune SSSR*, 123. Leningrad: Nauka. 232 p. (In Russian; English translation: 1988, Heteroptera of Yakutia, New Delhi: Amerind, 328 p.).
- Vinokurov, N.N.** 1988. Family Saldidae. In: P.A. Ler [Lehr] (Ed.). *Opredelitel' nasekomykh Dal'nego Vostoka SSSR* [Keys to the insects of the Far East of the USSR], 2: 747-755. Leningrad: Nauka. (In Russian).
- Vinokurov, N.N.** 2004. Bugs of the genus *Saldula* V.D. (Heteroptera, Saldidae) in the fauna of Russia and adjacent countries. *Evrasiatskiy entomol. Zh.*, 3(2): 101-118. (In Russian).
- Vinokurov, N.N. & Kanyukova, E.V.** 1995a. *Konspekt fauny poluzhestkokrylykh (Heteroptera) Sibiri* [Synopsis of the Heteroptera fauna of Siberia]. Yakutsk. 62 p. (In Russian).
- Vinokurov, N.N. & Kanyukova, E.V.** 1995b. *Poluzhestkokrylye (Heteroptera) Sibiri* [Heteroptera of Siberia]. Novosibirsk: Nauka. 238 p. (In Russian).
- Vinokurov, N.N. & Stepanov, A.D.** 2003. Heteroptera of the forest-tundra and lowland light forests in NE Yakutia. *Zool. Zh.*, 54(6): 744-747. (In Russian).
- Wagner, E.** 1961. Wanzen – Heteroptera (Hemiptera). *Die Tierwelt Mitteleuropas*, IV, 3(Xa). 173 p.
- Wagner, E. & Weber, H.H.** 1966. Die Heteropterenfauna Nordwestdeutschlands. *Schr. naturwiss. Ver. Schlesw.-Holst.*, 37: 5-35.
- Wróblewski, A.** 1966. Shorebugs (Heteroptera, Saldidae) of Poland. *Polskie Pismo entomol.*, 36(12): 219-302.
- Wróblewski, A.** 1968. Leptopodidae, Nabrežkovate – Saldidae. *Klucze do oznaczania owadów Polski* (no. 58), 18(3). 35 p.
- Zasypkina, I.A., Ryabukhin, A.S., Makarchenko, E.A. & Makarchenko, M.A.** 1996. *Obzor amfibioteskich nasekomykh Severo-Vostoka Azii* [Review of amphibiotic insects from NE Asia]. Magadan. 116 p. (In Russian).