

<https://doi.org/10.25221/fee.363.2>

<http://urn:lsid:zoobank.org:pub:05915974-F82F-43E4-AEA8-A9762ECCBB93>

FIRST RECORD OF *SINODIAPTERNA SONGRINI* (STEBNICKA ET GALANTE, 1992) (COLEOPTERA, SCARABAEIDAE) FROM RUSSIA

S. A. Shabalin

Federal Scientific Center of the East Asia Terrestrial Biodiversity, Far East Branch of the Russian Academy of Sciences, Vladivostok, 690022, Russia. E-mail: oxecetonia@mail.ru

Summary. *Sinodiapterna songrini* (Stebnicka et Galante, 1992) is firstly recorded from Russia. A key to species of the genus *Sinodiapterna* Dellacasa, 1986 from the Russian Far East is given.

Key words: Coleoptera, Scarabaeidae, Aphodiini, fauna, new record, Russian Far East.

С. А. Шабалин. Первая находка *Sinodiapterna songrini* (Stebnicka et Galante, 1992) (Coleoptera: Scarabaeidae) в России // Дальневосточный энтомолог. 2018. N 363. С. 8-10.

Резюме. Впервые для России указывается *Sinodiapterna songrini* (Stebnicka et Galante, 1992). Приведена определительная таблица имаго известных с Дальнего Востока видов рода *Sinodiapterna* Dellacasa, 1986.

The genus *Sinodiapterna* Dellacasa, 1986 (type species: *Aphodius troitzkyi* Jacobson, by original designation) includes 6 species: four of them distributed in the eastern Palaearctic region, and two in the north of Oriental region (Taiwan) (Dellacasa, 1986; Dellacasa *et al.*, 2016b; Li *et al.*, 2017). Three species of the genus *Sinodiapterna* has been known from the Russian Far East, namely *S. troitzkyi* (Jacobson, 1896), *S. hammondi* (Dellacasa, 1986), and *S. gorodinskiyi* (Gusakov, 2006) (Berlov, 1979; Nikolajev, 1979; Frolov, 1995, Gusakov, 2006; Akhmetova & Frolov, 2014). Described from North Korea *S. songrini* (Stebnicka et Galante, 1992) is recently collected by me in the valley of Ryazanovka River (Russia: south part of Primorskii krai). All examined material is deposited in Federal Scientific Center of the East Asia Terrestrial Biodiversity Far East Branch of Russian Academy of Sciences (Vladivostok).

NEW RECORD

***Sinodiapterna songrini* (Stebnicka et Galante, 1992)**

Aphodius songrini Stebnicka & Galante, 1992: 11. Type locality: "North Korea, Prov. Ryang-gang, Samjiyon".

Aphodius (*Sinodiapterna*) *songrini*: Dellacasa & Dellacasa, 2006: 138; Kim, 2012: 106.

Sinodiapterna songrini: Dellacasa *et al.*, 2016a: 12; Dellacasa *et al.*, 2016b: 151.

MATERIAL. **Russia:** Primorskii krai, valley of Ryazanovka River, 21.IX 2017, 1 ♀, S. Shabalin; the same locality, 19.IV 2018, 1 ♂, S. Shabalin; the same locality, 6.V 2018, 5 ♂, 5 ♀, S. Shabalin.

DISTRIBUTION. Russia (first record): Primorskii krai. – North Korea (Yanggang-do).

NOTES. Beetles were collected in the fresh excrements of cow and sheep.

Key to species of the genus *Sinodiapterna* from the Russian Far East

1. Elytra with denticles in the shoulder area. Russia: Primorskii krai
..... *S. gorodinskiyi* (Gusakov, 2006)
– Elytra without denticles in the shoulder area 2
2. Head coarsely punctured. Elytral striae feebly but distinctly crenulate. Nearly entirely black, shining. Russia: Krasnoyarskii krai, Amurskaya oblast, Jewish autonomous region, Khabarovskii krai, Primorskii krai, Sakhalin, Kunashir. – China (Heilongjiang), North Korea (Yanggang-do), Japan (Hokkaido, Honshu, Kyushu)
..... *S. troitzkyi* (Jacobson, 1896)
– Head rugose punctured. Elytral striae not crenulate. Nearly entirely black, strongly shining 3
3. Epistom distinctly gibbous, with small curve carina, frontal suture strongly carinate, at middle feebly upturned. Pronotum as wide as long. Russia: Primorskii krai. – China (Heilongjiang)
..... *S. hammondi* (Dellacasa, 1986)
– Epistom without trace of carina, frontal suture not elevated marked by line. Pronotum two times as wide as long. Russia: Primorskii krai. – North Korea (Yanggang-do)
..... *S. songrini* (Stebnicka et Galante, 1992)

ACKNOWLEDGEMENTS

I thanks to Mr. Paul Schoolmeesters (Belgium) for the providing important papers on the genus *Sinodiapterna*.

REFERENCES

- Akhmetova, L.A. & Frolov, A.V. 2014. Review of the Scarab beetle tribe Aphodiini (Coleoptera, Scarabaeidae) of the fauna of Russia. *Entomologicheskoe Obozrenie*, 93(2) 403–447. [In Russian]
- Berlov, E.Ya. 1979. Materials to fauna of coprophagous-beetles (Coleoptera, Scarabaeidae) Eastern Siberia and Far East. P. 102–110. In: Krivolutskaya, G.O. (Ed.). *The beetles of Far East and Eastern Siberia*. Vladivostok: Academy of Sciences of the USSR – Far Eastern Scientific Center. [In Russian]
- Dellacasa, G. 1986. A World-wide revision of *Aphodius* sharing a large scutellum (Coleoptera, Scarabaeidae). *Frustula entomologica*, 7-8: 173–282.
- Dellacasa, M. & Dellacasa, G. 2006. Tribe Aphodiini Leach, 1815. P. 105–143. In: Löbl, I., Smetana, A. (Ed.). *Catalogue of Palaearctic Coleoptera. Vol. 3. Scarabaeoidea – Scirtoidea – Dascilloidea – Buprestoidea – Byrrhoidea*. Stenstrup: Apollo Books.
- Dellacasa, M., Dellacasa, G., Král, D. & Bezděk, A. 2016a. Scarabaeidae: Aphodiinae: Aphodiini [New nomenclatural and taxonomic acts, and comments]. P. 2–12. In: Löbl, I., Löbl, D. (Ed.). *Catalogue of Palaearctic Coleoptera. Vol. 3. Scarabaeoidea – Scirtoidea – Dascilloidea – Buprestoidea – Byrrhoidea. Revised and Updated Edition*. Leiden, Boston: Brill.

- Dellacasa, M., Dellacasa, G., Král, D. & Bezděk, A. 2016b. Tribe Aphodiini Leach, 1815. P. 98–155. In: Löbl, I., Löbl, D. (Ed.). *Catalogue of Palaearctic Coleoptera. Vol. 3. Scarabaeoidea – Scirtoidea – Dascilloidea – Buprestoidea – Byrrhoidea. Revised and Updated Edition*. Leiden, Boston: Brill.
- Frolov, A.V. 1995. Notes on species *Aphodius* of the Russian Far East (Coleoptera, Scarabaeidae). *Zoosystematica Rossica*, 3(2): 292.
- Gusakov, A.A. 2006. A new *Aphodius* species of the subgenus *Sinodapterna* from Far East Russia (Coleoptera, Scarabaeidae). *Russian entomological journal*, 15(1): 33–34.
- Kim, J.I. 2012. Insect Fauna of Korea. Arthropoda: Insecta: Coleoptera: Scarabaeoidea (Laparosticti). *The Flora and Fauna of Korea*, 12(3): 1–209.
- Li, Ch.-L., Yang, P.-Sh. & Wang, Ch.-Ch. 2017. The genus *Sinodapterna* Dellacasa (Coleoptera: Scarabaeidae: Aphodiinae) in Taiwan. *Zootaxa*, 4320(1): 68–80.
- Nikolajev, G.V. 1979. New and rare species of scarab-beetles (Coleoptera, Scarabaeidae) in fauna of Primorskii krai. P. 99–101. In: Krivolutskaya, G.O. (Ed.). *The beetles of Far East and Eastern Siberia*. Vladivostok: Academy of Sciences of the USSR – Far Eastern Scientific Center. [In Russian]
- Stebnicka, Z. & Galante, E. 1992. *Aphodius songrini* n. sp. from North Korea (Coleoptera: Scarabaeidae: Aphodiinae). *Elytron*, 6: 11–13.