

SHORT
COMMUNICATIONS

**New Data on the Fauna of Longicorn Beetles (Coleoptera,
Cerambycidae) of the Southern Urals**

A. M. Shapovalov

Zoological Institute, Russian Academy of Sciences, St. Petersburg, 199034 Russia
Institute of Steppe, the Ural Branch of Russian Academy of Sciences, Orenburg, 460000 Russia
e-mail: sitaris@zin.ru

Received October 9, 2014

Abstract—New records of Cerambycidae from Orenburg Province are presented. Four species were recorded for the first time from the region, and *Cortodera turgaica* Danil. was recorded for the first time from Russia. In total, 143 species of longicorn beetles are known in Orenburg Province.

DOI: 10.1134/S0013873816010152

The fauna of longicorn beetles (Cerambycidae) of Orenburg Province is quite diverse. Its core is formed by steppe and temperate taxa, but the forest-steppe zone is inhabited by over twenty boreal and boreomontane species while a few North Turanian species occur in the dry steppes of the region. According to the latest published data, the local fauna of Cerambycidae counts 139 species; in total, about 165 species are to be expected in the region (Shapovalov, 2012).

Here I report data on the most interesting findings of representatives of the family Cerambycidae for 2013 and 2014. Four species are recorded for the first time for Orenburg Province, one of which, *Cortodera turgaica* Danil., is recorded for the first time for the territory of Russia. Thus, the number of longicorn species known from Orenburg region has grown to 143.

The material is mainly deposited in the collections of the Zoological Institute of the Russian Academy of Sciences (St. Petersburg; ZIN), except for the specially stated cases.

Rhamnusium bicolor (Schrank, 1781).

Material. Russia. Orenburg Prov., Tyulgan Distr., Maly Nakas Range, 6 km ESE of Tugustemir, ~ 500 m a.s.l., a dead female in a web, in the hollow of a live trunk of the maple *Acer platanoides*, 7–8.VII.2013 (A.M. Shapovalov).

Distribution. This is a West Palaearctic nemoral species which is represented in the region by the East European subspecies *Rh. bicolor constans* Danil. This

is the first record of the species in the South Ural mountains, which shifts its range boundary further eastwards: earlier *Rh. bicolor* was recorded as far as the Cis-Ural region within the limits of Udmurtia (Dedyukhin, 2006 : 137) and Orenburg Province, where the species was known from Buzuluk pine forest (Shapovalov, 2011 : 118, as *Rh. gracilicorne* Thery) and riparian forests along the Ilek and Ural rivers, as far eastwards as Orenburg (Shapovalov et al., 2006 : 106, as *Rh. gracilicorne* Thery; Shapovalov, 2012 : 48).

Cortodera turgaica Danilevsky, 2001.

Material. Russia. Orenburg Prov., Svetlinsky Distr., Ashchisai Steppe (terr. of Orenburg State Reserve), on an inflorescence of *Centaurea ruthenica*, 5.VI.2014 (V.A. Nemkov), 1 male.

Remarks. The male from Ashchisai Steppe corresponds well to *C. turgaica* Danil. in the interpretation of Danilevsky (2013), due to comparatively small size (body length 6.6 mm), the presence of hairs radially diverging from the smooth middle patch on the pronotum, reddish-yellow legs (with only the tips of middle and hind femora and partly the tarsi being black-brown), and a relatively short third antennal segment.

Distribution. This species was previously known from three habitats in North Kazakhstan (Lake Zharkol, Kurgalji and Naurzum Reserves) and one habitat in West Kazakhstan (15 km NE of Emba) (Danilevsky, 2013); herein it is recorded for the first time for Orenburg Province and for Russia as a whole.

Cortodera villosa zhuravlevi Miroshnikov, 2007.

Material. Russia. *Orenburg Prov.*, Sakmara Distr., env. of Grebeni, Grebeni Mt., 17.V.2014 (E.P. Kazakov), 1 female.

Distribution. This subspecies was previously known from the right-bank part of the Ural valley and the adjacent southern areas of Obshchy Syrt within the limits of NW Kazakhstan and Orenburg Province. The new locality lies in the Sakmara-Ural interfluvium and is the easternmost and northernmost one for *C. villosa zhuravlevi*. The taxon was first listed for Orenburg region based on a male with a label "Orenburg, 25 km NW, 18.VII.1990, A.V. Rusakov" (Miroshnikov, 2007 : 214, as *C. zhuravlevi zhuravlevi*). Its collection locality was later specified based on a personal communication of A.V. Rusakov (Shapovalov, 2012 : 61): Orenburg Distr., env. of Chernorechenskoe (~ 15 km W of Orenburg). In addition, larvae of *Cortodera* probably belonging to *C. villosa zhuravlevi* were found within the caudex of *Centaurea ruthenica* Lam. in the environs of Chesnokovka (Perevolotsk Distr., Orenburg Prov.) (Shapovalov, 2014).

Etorofus (s. str.) *pubescens* (Fabricius, 1787).

Material. Russia. *Orenburg Prov.*, Tyulgan Distr., Malyi Nakas Range, 6 km ESE of Tugustemir, 18 and 22–25.VI.2014, 2 spec. (A.M. Shapovalov).

Distribution. This is a Euro-Caucasian boreomontane species which is recorded for the first time for Orenburg Province.

Stictoleptura (s. str.) *maculicornis* (De Geer, 1775).

Material. Russia. *Orenburg Prov.*, Tyulgan Distr., Malyi Nakas Range, 6 km ESE of Tugustemir, 7–8.VII.2013, 1 spec.; 15–18.VI.2014, 20 spec.; 22–25.VI.2014, 3 spec. (A.M. Shapovalov).

Distribution. This is a European boreomontane species which is recorded for the first time for Orenburg Province.

Leioderes kollari Redtenbacher, 1849.

Material. Russia. *Orenburg Prov.*, Tyulgan Distr., Malyi Nakas Range, 6 km ESE of Tugustemir, at

night, light trap, 22–25.VI.2014, 1 spec.; in crown traps on oak *Quercus robur* and maple *Acer platanoides* trees, 22–25.VI.2014, 24 spec.; 26.VI–3.VII.2014, 1 spec. (A.M. Shapovalov).

Distribution. This is a European nemoral species which is recorded for the first time for Orenburg Province. In the South Urals it was earlier known only from Ufa (Shapovalov, 2012: 113); thus the new locality is the easternmost one for *L. kollari*.

Phytoecia (*Cardoria*) *scutellata* (Fabricius, 1793).

Material. Russia. *Orenburg Prov.*, Novoorsk Distr., env. of Molodezhny, 10.V.2013 (E.P. Kazakov), 1 spec. (E.P. Kazakov's collection, Orenburg).

Distribution. This is a mainly Mediterranean species. It was earlier known as far eastwards as the South Urals foothills within Kuvandyk District of Orenburg Province (Shapovalov, 2012: 175, 10 km SW of Kidryasovo); here it is for the first time reported from a more eastern Trans-Ural locality.

ACKNOWLEDGMENTS

The author is very grateful to V.A. Nemkov and E.P. Kazakov (Orenburg) for their material of *Cortodera* deposited in the ZIN collections.

REFERENCES

1. Danilevsky, M.L., "New and Poorly Known Species of the Genus *Cortodera* Mulsant, 1863 (Coleoptera, Cerambycidae) from Kazakhstan," *Human. Space Int. Alm.* **2** (1), 211–221 (2013).
2. Dedyukhin, S.V., "Materials on the Beetles (Insecta, Coleoptera) of Udmurtia Included in the Red Book and Those Recommended for Protection," *Vestnik Udmurt. Univ. Ser. Biol.* **10**, 129–140 (2006).
3. Miroshnikov, A.I., "A Review of Longicorn Beetles of the Genus *Cortodera* Mulsant, 1863 Resembling *C. villosa* Heyden, 1876, with Description of the New Taxa (Coleoptera, Cerambycidae)," *Kavkaz. Entomol. Byul.* **3** (2), 207–218 (2007).
4. Shapovalov, A.M., "Comparison of the Faunas of Longicorn Beetles (Coleoptera, Cerambycidae) of Buzuluk and Bolotov Pine Forests, Orenburg Province," *Trudy Orenburg. Otdel. Ross. Entomol. Obshch.* **1**, 117–123 (2011).

5. Shapovalov, A.M., "The Longicorn Beetles of Orenburg Province: Fauna, Distribution, and Bionomy," *Trudy Orenburg. Otdel. Ross. Entomol. Obshch.* **3**, 1–224 (2012).
6. Shapovalov, A.M., "Specificity of the Zoogeographic Composition of the Fauna of Longicorn Beetles (Coleoptera, Cerambycidae) of Orenburg Province," *Byul. Orenburg. Nauch. Tsentra* **4**, 1–10 (2013).
7. Shapovalov, A.M., "On the Study of Beetles (Insecta, Coleoptera) Developing on the Russian Knapweed (*Centaurea ruthenica*) in the Cis-Ural Region," in *Fauna of the South Urals and the North Caspian Region: Collected Papers of the VI International Conference* (Orenburg State Pedagogical University, Orenburg, 2014), pp. 119–122 [in Russian].
8. Shapovalov, A.M., Nemkov, V.A., Rusakov, A.V., and Shovkun, D.F., "The Longicorn Beetles (Coleoptera, Cerambycidae) of Orenburg Province," *Vestnik Orenburg. Gos. Univ. Suppl.* **4**, 105–109 (2006).