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***Dorcadion (Cribridorcadion) cinerarium demidovi* ssp. n.  
(Coleoptera, Cerambycidae) from South-West Ukraine**

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**Key words:** Coleoptera, Cerambycidae, *Dorcadion*, taxonomy, new subspecies, Odessa, Ukraine.

**Abstract:** *Dorcadion (Cribridorcadion) cinerarium demidovi* ssp. n. is described from South-West Ukraine (Odessa environs). The new subspecies is close to *D. c. gorodinskii* Danilevsky, 1996 from Kherson Region because of pubescent male elytra, but differs by strong individual variability in color and body pubescence.

The detail revision of taxonomy structure of *Dorcadion cinerarium* (Fabricius, 1787) by M.A. Lazarev (2011) was limited in certain areas by the absence of enough number of available specimens. One of the worst investigated regions is South Ukraine along the coasts of Black and Azov seas. Five subspecies are already described from here: *D. c. perroudi* Pic, 1942 (most part of Crimean Peninsula), *D. c. panticapaeum* Plavilstshikov, 1951 (the east of Crimean Peninsula from about Kerch to Chongar), *D. c. bartenevi* Lazarev, 2011, (the west of Crimean Peninsula, cape Tarkhankut), *D. c. azovense* Lazarev, 2011 (Berdyansk environs), *D. c. skrylniki* Lazarev, 2011 (Melitopol environs) and *D. c. gorodinskii* Danilevsky, 1996 from Kherson environs. The populations from Nikolaev to Odessa and South Moldova were provisionally included in *D. c. gorodinskii* because of moderately big size and pubescent male elytra, though only single specimens were available from about 7 localities.

A collecting trip of the author in April 2013 to Odessa environs allowed obtaining a representative quantity of beetles for study. Invaluable materials were also received from local collectors Larisa Ladovyrya and Grigoriy Demidov, who collected the most number of available specimens. New materials show the unique level of the individual variability inside Odessa populations, which is impossible in *D. c. gorodinskii*. So, a new subspecies must be described.

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Now the subspecies status of populations from Chongar, Mariupol and Taganrog needs clarification.

Abbreviations of collections:

AB - collection of A. Bartenev (Kharkov);

MD – author’s collection

D&L – collection of G. Demidov and L. Ladovyrya (Odessa)

DK – collection of Dmitry Kuleshov (Tomsk)

***Dorcadion (Cribridorcadion) cinerarium demidovi* ssp. n.**

(Figs. 1-9)

**Description.** Antennae black with dark–red 1<sup>st</sup> joint, sometimes 1<sup>st</sup> joint nearly or totally black (Fig. 2), very rare light–red (Figs 5-7); prothorax in males from about as long as basal width to slightly transverse, about 1.1 times wider than long; in females about 1.3 times wider than long; pronotum slightly convex, smooth, with shallow longitudinal impression; in males sometimes with two posterior rugose areas (Fig. 3), always nearly glabrous, shining with more or less dense short black recumbent setae, which can be indistinct; with narrow central white stripe distinct in fresh specimens; in females – totally pubescent with wider longitudinal white stripe; pronotal punctation fine, consists of small scattered dots and very fine dense punctation; lateral thoracic tubercles short, rounded; male elytra usually totally or partly covered with black pubescence, which can be easily lost along slightly convex longitudinal ridges (Fig. 5); elytra regularly oval, widest near middle, in males about 1.8-1.9 times wider than long, in females – 1.5-1.6 times; male elytral pubescence is distinctly less solid than in males of *D. c. gorodinskii*, many fresh males have shining glabrous elytral areas along lateral half; about one third of all males in all populations has glabrous shining elytra (Figs. 4, 6) in all populations, that is impossible in *D. c. gorodinskii*; pubescent male elytra usually with small white spots anteriorly, very rare fine traces of humeral white stripes can be visible (Fig. 2), as well as apical white spots; bright sutural white stripe is always accompanied by velvety black stripes;

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all females are authochromal with very dense ground elytral pubescence, which is usually dark–brown (Fig. 8) or a little lighter (Fig. 9), but in general much lighter than in *D. c. gorodinskii*; external pale elytral stripes more or less distinct, usually interrupted by more or less numerous dark spots; dark pubescence along white sutural stripes usually interrupted or split in several dots; legs usually dark–red; femora sometimes nearly black (Fig. 1), but lightened at bases, never totally black, often red with small black areas (4-5); very rare legs purely red (Figs. 6-7); body length in males: 10.7-13.5 mm; width: 3.8-4.7 mm; body length in females: 11.0-14.0 mm; width: 4.6-5.7 mm.

**Note.** *D. (C.) c. demidovi* **ssp. n.** is geographically and morphologically close to its eastern neighbor *D. c. gorodinskii* Danilevsky, 1996, but differs by less pubescent elytra, which can be often totally glabrous (with the exception of sutural lines); legs and 1<sup>st</sup> antennal joint can be puerly red; females are in general lighter. Its north neighbor *D. c. zubovi* Lazarev, 2011 from Moldova is rather different because of the domination of glabrous males and females in all populations.

**Distribution.** South-West Ukraine: several localities are known along coasts of Odessa limans: Khadzhibey, Kuyalnik (Fig. 10), Adzhalyk. The taxon is also known from the south of Nikolaev Region: Ochakov environs, Novaya Bogdanovka, Nikolaev environs, Parutino in Bug liman coast. The locality near Purkary in Moldova recorded by Lazarev (2011) for *D. c. gorodinskii* must be also connected with the new taxon.

**Materials.** Holotype, male, Ukraine, Odessa Reg., liman Kuyalnik, west bank, 46°35.037'N, 30°42.951'E, 20.4.2013, M.Danilevsky leg. - MD; 67 paratypes; 6 males, 3 females with same label - MD; 13 males, 4 females, same locality, 26.4.2004; 19.4.2005, 29.4.2010, G. Demidov leg. - D&L; 1 male, Ukraine, Odessa Reg., liman Kuyalnik, east bank, 46°36.7'N, 30°45.477'E, 19.4.2013, M.Danilevsky leg.; 5 males, same locality, 11.4.2010; 29.4.2012, G. Demidov leg. - D&L; 5 males, 1 female, Ukraine, Odessa Reg., liman Malyi Adzhalyk, 24.4.2013, M.Danilevsky leg. - MD; 1 male, 3 females, Odessa Reg., Sverdlovo env., 18.4.2010, L.Ladovyrya leg. – D&L; Odessa Reg., liman Khadzhibey, 8.5.1961, I.Maltsev leg. - AB; 2 males, 2 females, Odessa Reg., Kominternosky Distr., Korsuntzy env., 7.4.2012, L.

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Ladovyrya leg. – DK; 3 males, 3 females, Odessa Reg., liman Kuyalnik, Kominternosky Distr., sanatorium "Kuyalnik" env., 29.4.2012, L. Ladovyrya leg. – DK; 3 males, 3 females, Odessa Reg., Belyaevka Distr., liman Kuyalnik, Kotovka, 29.4.2012, L. Ladovyrya leg. – DK; 1 female, Nikolaev environs, 5.1977 - MD; 1 male, Novaya Bogdanovka, Bug Liman, 16.5.1978, V.Odnosum leg. - MD; 2 males, 2 females, Nikolaev Region, Parytino, 26.4.1997, S.Vashchenko – MD; 3 males, Nikolaev Region, turn to Ochakov, 46°55'43"N, 31°36'56"E, 1.5.2001, G. Demidov leg.

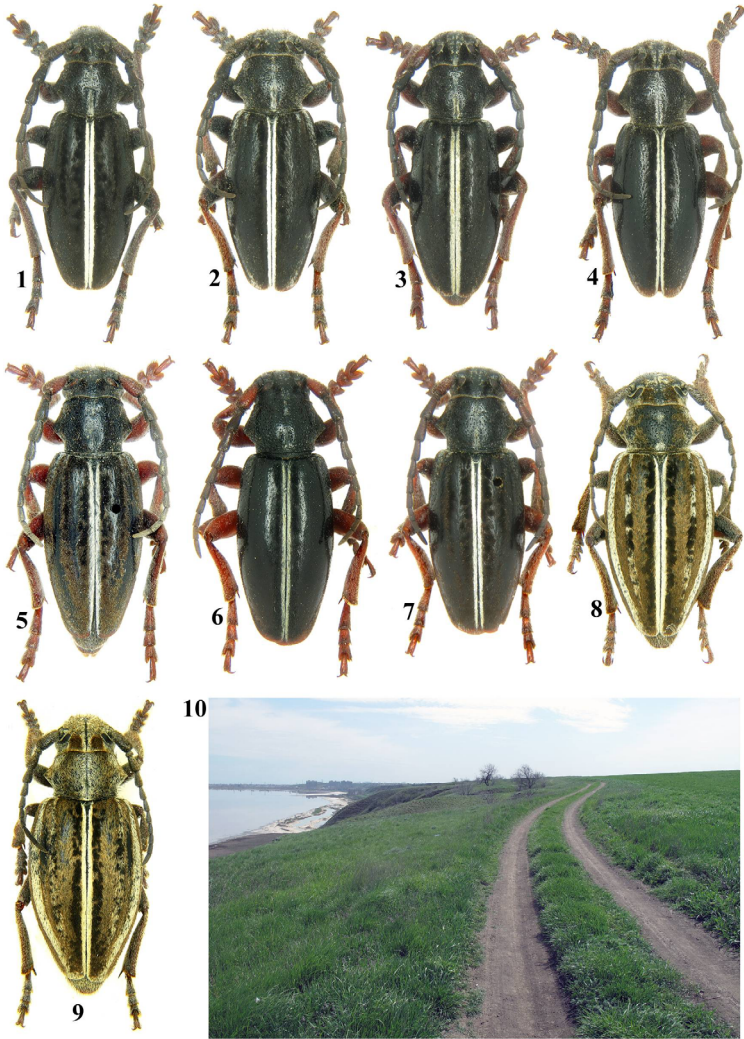
**Etymology.** The new taxon is dedicated to Grigoriy Demidov, who discovered several localities in Odessa environs and collected a lot of specimens.

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**Figs. 1-9.** *Dorcadion (Cribridorcadion) cinerarium demidovi* ssp. n. (1-7 – males, 8-9 – females; 1 – holotype, 2-9 – paratypes).

1-2 – liman Kuyalnik, west bank, 20.4.2013, M. Danilevsky leg.; 3 – same locality, 19.4.2005, G. Demidov leg.; 4 - liman Kuyalnik, east bank, 19.4.2013, M. Danilevsky leg.; 5 (from Lazarev, 2001) – liman Khadzhibey, 8.5.1961, I. Malyshev leg.

**Fig. 10.** Type locality - west bank of liman Kuyalnik.

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