

**Two new subspecies of *Dorcadion aethiops* (Scopoli, 1763) from Bulgaria (Coleoptera, Cerambycidae)**

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**Key words:** Coleoptera, Cerambycidae, new subspecies, Bulgaria, Greece.

**Abstract:** *Dorcadion (Carinatodorcadion) aethiops strumense*, **ssp. n.** is described from two localities in South Bulgaria: Petrich environs (type locality) and environs of Gotse Delchev. *Dorcadion (Carinatodorcadion) aethiops asenovi*, **ssp. n.** is described from near Asenovgrad. *D. (Carinatodorcadion) aethiops propinquum* Breuning, 1962 and *D. (Cribridorcadion) lugubre minkovae* Heyrovský, 1962 are accepted.

*Dorcadion aethiops* (Scopoli, 1763: 53) described as *Cerambyx* from Ljubljana environs (“Circa Labacum”) is widely distributed in West Europe from East Austria to West Ukraine and Moldavia, including Balkans. Now it is absent in Slovenia, being regarded as extinct.

Similar populations from Greece were traditionally regarded (Breuning, 1962; Althoff & Danilevsky, 1997; Steiner, 2003) as another species: *Dorcadion majoripenne* Pic, 1926, described from “région de Salonique” and *D. propinquum* Breuning, 1962 described from near Kozani. Recently both were included in *D. aethiops* by (Pesarini & Sabbadini, 2007; 2010) as a single subspecies: *D. aethiops majoripenne* Pic = *propinquum* Breuning, 1962 (Florina, Kozani, Imathina, Kilkis, Thessaloniki). Unfortunately the new synonyms were not argued at all. It is not clear from the text of the article how many specimens from near Thessaloniki were used for comparison. According to a few specimens available in author’s collection from Oros Vermion, 40°31'N, 21°52'E and Kato Vermion, 40°33'N, 22°2'E (not far from Kozani) and from near Metallikon, 41°1'10.79"N, 22°49'17.99"E (northwards Saloniki) such a synonymisation was not adequate. Both subspecies must be accepted: *D. aethiops majoripenne* Pic, 1926 and *D. aethiops propinquum* Breuning, 1962.

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Populations of *D. aethiops* from South Bulgaria are much stronger differ from Central European *D. aethiops*, than Greek populations and must be described as new subspecies.

***Dorcadion (Carinatodorcadion) aethiops strumense, ssp. n.***

(Figs 1-2)

**Type locality.** Bulgaria, 6km NEE Petrich, Drangovo, 41°24'56"N, 23°17'55"E, 155m.

**Description.** Only two males are available. Body strongly elongated, elytra convex with smoothed humery (especially in the holotype); the beetles look similar to Caucasian *Dorcadion carinatum cylindraceum* (Reitter, 1886). Pronotal punctation much finer and sparser than in the nominative subspecies. Elytral punctation in the holotype is extremely fine, nearly indistinct or a little more pronounced in the male from Gotse Delchev; body length: 22.0 (holotype) - 23.0 mm, body width near elytral middle: 7.0 mm (holotype) – 6.4 mm.

**Materials.** Holotype, male, Bulgaria, 6km NEE Petrich, Drangovo, 23°17'55"E, 41°24'56"N, 155m, 7.6.2013, A. Napolov & I. Roma leg. - author's collection; 1 paratype, male, Bulgaria, Gotse Delchev env., 15.7.1981, V.Sakalyan leg. - author's collection.

Several specimens of *D. aethiops aethiops* from Central Europe were used for comparison (Vienne environs; Slovakia: Štúrovo, Lučenes, Domica; Vinogradov in Transcarpathian Ukraine).

**Note.** *Dorcadion minkovae* Heyrovský, 1962 described from "Kresna-Defilé" in subgenus *D. (Pedestredorcadion* Breun.) was later regarded as *D. (Carinatodorcadion* Breun.) by Mikšić & Korpič (1985). In fact the species known now as *Dorcadion (Cribridorcadion) minkovae* Heyrovský, 1962 (see Danilevsky, 2010) introduced on the base of a single very small male (14mm) is just a local form of *D. (Cr.) lugubre* Kraatz, 1973 (described from Greece – "Salonick"), which is very numerous in the region and must be regarded as its subspecies *Dorcadion (Cribridorcadion) lugubre minkovae* Heyrovský, 1962, **stat. n.** All records of *D. lugubre* and *D. pseudolugubre* Breuning, 1943 from Struma valley were connected with that taxon.

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***Dorcadion (Carinatodorcadion) aethiops asenovi, ssp. n.***

(Figs 3-5)

**Type locality.** Bulgaria, Asenovgrad env.

**Description.** Body relatively wider than in the nominative subspecies; pronotal punctation is about same, but elytral punctation much finer, elytra can be totally smooth in the middle; humeral carinae from rather distinct and roughly sculptured to more or less smooth and obliterated; body length in males: 21.0 - 22.2 mm, body width in males near elytral middle: 7.5 - 8.8mm; body length in a female: 23.0 mm, body width in near elytral middle: 9.2 mm.

**Materials.** Holotype, male, Bulgaria, Asenovgrad env., 29.4.1985, V.Bíža leg. - author's collection.; 4 paratypes, 3 males and 1 female with same label - author's collection.

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**Figs 1-2.** *Dorcadion (Carinatodorcadion) aethiops strumense*, ssp. n.: 1 – male, holotype, Bulgaria, 6km NEE Petrich, Drangovo, 23°17'55"E, 41°24'56"N, 155m, 7.6.2013, A. Napolov & I. Roma leg. 2 – male, paratype, Bulgaria, Gotse Delchev env., 15.7.1981, V.Sakalyan leg.

**Figs 3-5.** *Dorcadion (Carinatodorcadion) aethiops asenovi*, ssp. n.: 3 - male, holotype, Bulgaria, Asenovgrad env., 29.4.1985, V.Bíža leg.; 4 – male, paratype with same label; 5 – female, paratype with same label.

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