

A Review of the Genus *Deporaus* (Coleoptera, Rhynchitidae) from the Russian Fauna: 2. Subgenera *Roelofsideporaus* and *Deporaus*

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Abstract—The subgenera *Roelofsideporaus* and *Deporaus* s. str. of the genus *Deporaus* with four species (*D. affectatus*, *D. unicolor*, *D. nidificus*, and *D. betulae*) recorded from the Russian fauna are revised. Keys to the species of the subgenus *Roelofsideporaus* and to the females of the subgenera *Roelofsideporaus* and *Deporaus* s. str. are given. The distribution of *D. nidificus* in Russia is not confirmed.

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Subgenus *Roelofsideporaus* Legalov, 2003
(Figs. 1a–1d, 1g, 1h; 2a, 2b, 2d, 2e, 2g, 2h, 2j–2o)

Deporaus subgenus *Roelofsideporaus* Legalov, 2003 : 174.

Type species *Deporaus affectatus* Faust, 1887, by original designation.

Description. Body black, lustrous, covered with short, pale, semi-erect hairs. Body length 2.3–3.5 mm.

Rostrum short and nearly straight in males, weakly regularly or slightly angularly curved at antennal attachment in females, widened toward apex, with carina extending from antennal attachment to base. Antennae attached in middle of rostrum in males and before middle, in females. Eyes large, rather strongly convex, smaller and less strongly convex in females. Frons wide, nearly flat, punctate, with median sulcus. Temples elongate. Vertex convex, finely and densely punctate. Neck constriction clearly pronounced. Antennae medium-sized, projecting beyond middle of pronotum. Club rather wide, shorter than funicle, not compact. Pronotum slightly wider than long, weakly narrowed toward base and apex, widest in basal 1/3 or before base, with constriction. Sides nearly straight or weakly rounded. Disc densely and finely punctate. Elytra nearly rectangular, widest behind middle. Humeri weakly smoothed. Intervals convex, with row of punctures. Striae distinct and rather wide, with large and deep punctures. 9th and 10th striae merging in apical part of elytra. Thorax and episterna densely punctate. Abdomen convex. Ventrites I–IV rather wide, I narrower than II, II wider than III, IV slightly narrower than III; V narrow, considerably narrower than IV. Pygidium and propygidium densely punctate. Legs medium-sized. Femora thickened. Tibiae long. Fore tibia nearly straight, narrower in males, occasionally with mucro. Middle and hind tibiae wider, flattened, widened toward apices. Tarsi long. 1st segment usually strongly elongate, especially in middle and hind tarsi, 2nd segment trian-

smoothened. Intervals convex, with row of punctures. Striae distinct and rather wide, 9th and 10th striae merging in apical part of elytra.

Prothorax rugosely punctate. Sides of mesothorax delicately punctate. Mesepisterna finely punctate. Metepisterna narrow, coarsely punctate. Metasternum sparsely and finely punctate. Abdomen convex, flattened medially, with dense double punctuation. Ventrites I and II wide, ventrite III slightly narrower than II, IV narrower than III; V narrow, narrower than ventrite IV. Pygidium and propygidium densely punctate.

Legs medium-sized. Femora thickened. Hind femur strongly thickened, with finely serrate inner margin. Tibiae long. Fore tibia nearly straight, weakly bisinuate along inner margin, narrower, without mucro. Middle tibia wider, flattened, widened toward apex. Hind tibia thicker, finely serrate along inner margin. Tarsi long, 1st segment elongate, 2nd wide and triangular, 3rd bilobed. Claw-segment elongate. Claws toothed.

Female. Body length 2.9–4.4 mm. Rostrum longer than that in male, 2.0–2.6 times as long as wide, more strongly flattened. Antennae attached before middle of rostrum. Club narrower. Eyes small, less strongly convex. Frons wider. Temples slightly longer than eyes. Pronotum slightly transverse (width to length ratio 1.0–1.18). Sides of pronotum more strongly rounded. Elytra 1.22–1.4 times as long as wide, more strongly widened apicad. Hind femur weakly thickened, not serrate along inner margin. Fore tibia shorter than that in male.

Trophic associations. The insects develop in rolls formed from leafs of the birch, less frequently, the hazel, alder, beech, oak, bird cherry, poplar, and lime-tree (Ter-Minassian, 1950; Sawada, 1993; Legalov, 2006a).

Distribution. The species has trans-Palaearctic range. In Russia, it is distributed everywhere, where the birch occurs.

*A Key to the Species of the Subgenus Roelofsideporaus in the Fauna of Russia
(Males)*

1. Fore tibia with mucro. Antennae narrower. Armament of endophallus as in Figs. 2j–2l *D. affectatus*.
—Fore tibia without mucro. Antennae thicker 2.
2. Eyes less strongly convex. Armament of endophallus as in Figs. 2m–2o *D. unicolor*.
—Eyes more strongly convex. *D. nidificus*.

*A Key to the Species of the Subgenera
Roelofsideporaus and Deporaus s. str. in the Fauna
of Russia
(Females)*

1. 1st segment of hind tarsus not elongate 2.
- 1st segment of hind tarsus strongly elongate (Fig. 1d) 3.
2. Eyes more strongly convex. Rostrum narrower and longer *D. nidificus*.
- Eyes less strongly convex. Rostrum wider and shorter *D. betulae*.
3. Rostrum weakly angularly curved at antennal attachment, usually longer (Fig. 1g) *D. affectatus*.
- Rostrum regularly curved, usually shorter (Fig. 1h) *D. unicolor*.

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