

**New species from the genus *Gastrallus* Jacquelin du Val, 1860  
from Central Europe  
(Coleoptera: Bostrichoidea: Ptinidae)**

Petr ZÁHRADNÍK

Forestry and Game Management Research Institute,  
Strnadý 136, CZ-156 00 Praha 5 - Zbraslav, Czech Republic  
e-mail: zahradnik@vulhm.cz

**Taxonomy, new species, Ptinidae, *Gastrallus*, Central Europe, Palaeartic Region**

**Abstract.** *Gastrallus jelineki* sp. nov. (species-group *G. laevigatus*) from Slovakia and Hungary (Central Europe) is described and compared with other species from this genus from Central Europe.

## INTRODUCTION

The genus *Gastrallus* Jacquelin du Val, 1860 belongs to the subfamily Anobiinae, tribe Gastrallini. The tribe Gastrallini includes four genera - *Falsogastrallus* Pic, 1914, *Gastrallus* Jacquelin du Val, 1860, *Hemigastrallus* Español et Comas, 1991 and *Mimogastrallus* Sakai, 2003.

The genus *Gastrallus* Jacquelin du Val, 1860 is worldwide distributed. This genus includes 103 species, and is divided into two species-group - *G. immarginatus* with eight species and *G. laevigatus* with 95 species. Other two species are fossils and have their status as incertae sedis.

The species-group *G. laevigatus* contains 20 species from the Palaeartic Region, of which 10 species are distributed in Europe.

## MATERIAL AND METHODS

All original descriptions of European *Gastrallus* Jacquelin du Val, 1860 from species-group *G. laevigatus* (Español 1963; Fairmaire 1875; Olivier 1790; Reitter 1912; Schilsky 1898; Wollaston 1865; Zahradník 1996, 2007; Zahradník & Demetriou 2023) were studied.

Type material for the new species is deposited in the author's collection.

The photographs were taken by an Olympus DP 72 digital camera on an Olympus SZX 16 stereobinocular microscope using the programme Quick Photo Camera 2.3 and Deep Focus 3.0 for the modification of the pictures.

The new species described here is provided with a red, printed label showing the following wording: "Holotype" or "Paratype"; on the second white, printed label, there is the text: "*Gastrallus / jelineki* sp. nov. / P. Zahradník det."

LIST OF KNOWN EUROPAEAN SPECIES OF *GASTRALLUS LAEVIGATUS*  
SPECIES-GROUP

<i>corsicus</i> Schilsky, 1898	(Algeria), Bulgaria, Croatia, France, Greece, (Israel), Italy, (Morroco), Portugal, Slovenia, Spain, (Syria)
<i>kaylasi</i> Zahradník in Zahradník et Demetriou, 2023	Cyprus
<i>knizeki</i> Zahradník, 1996	Austria, Czech Republic, France, Germany, Greece, Luxembourg, Slovakia
<i>kocheri</i> Español, 1963	Greece, Italy, (Morroco), Spain, (Tunisia)
<i>laevigatus</i> (Olivier, 1790)	Europe, North Africa (see Zahradník 2007)
<i>lyctoides</i> (Wollaston, 1865)	Canary Is. (Spain)
<i>mauritanicus</i> Español, 1963	Greece, Italy, (Morroco), Spain, (Tunisia), Turkey
<i>pubens</i> Fairmaire, 1875	Europe, Africa, Asia (see Zahradník 2007)
<i>rollei</i> Reitter, 1912	Spain
<i>vavrai</i> Zahradník, 2007	Croatia, Czech Republic, Greece, Slovakia, Turkey

RESULT

***Gastrallus jelineki* sp. nov.**  
(Figs. 1a-b)

**Type material.** Holotype (♂): SLOVAKIA, Hrhov [7390], 14.x.2019, A. Peutschmid lgt., P. Zahradník coll. Paratype (♂): HUNGARY, Szabadkygiós, 23.v.2017, A. Peutschmid lgt., P. Zahradník coll.

**Description.** Male (holotype): Oblong oval, transversely very convex, body length 2.3 mm, greatest width 0.9 mm. Ratio length : width of elytra 1.9. Bright brown, pubescence golden-yellow, very short, recumbent. Antennae, palpi and legs lighter, yellow-brown. Habitus see Fig. 1a.

Head evenly convex, coarsely and densely punctate, matt. Eyes large, almost globular, with very small emargination besides the insertions of antennae, glabrous. The width of eye the same as the width of frons. Antennae consist of ten antennomeres. Antennomere I (scape) robust, 1.3 times longer than wide. Ratio length to width of other antennomeres is as follows - II 1.0, III - 1.0, IV - 1.0, V - 1.0, VI - 1.8, VII - 1.9, VIII - 2.0, IX - 1.7 and X - 4.0. The ratio of length of antennomeres I to X is as follows - 1.0 : 0.3 : 0.3 : 0.3 : 0.3 : 0.5 : 0.5 : 2.5 : 3:0 : 4.0; similarly the width of individual entenomeres I - X (mostly with only very fine differences) is as follows - 1.0 : 0.3 : 0.3 : 0.3 : 0.3 : 0.3 : 0.3 : 1.7 : 2.3 : 1.3. All antennomeres with long, erect sparse setae, often only with one seta.

Pronotum slightly transverse (length 0.6 mm, width 0.8 mm), strongly convex, on basal two-thirds, widest at its base, without tubercle anteriorly in the middle. Lateral margin from

dorsal view invisible. Surface of pronotum finely and densely punctate, with coarse and sparse punctures, matte. Pubescence short, recumbent, dense, inclined forward. Scutellum square.

Elytra without distinct humeri, matte, coarsely and densely punctate, matte. Fine striae are visible especially from the lateral view.

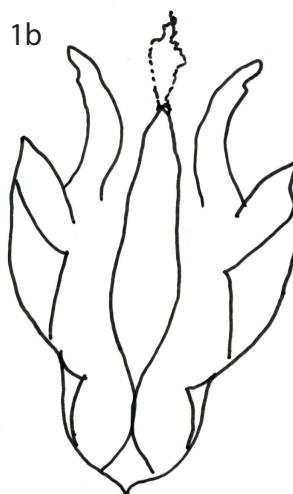
Aedeagus see Fig. 1b.

**Female.** Unknown.

**Variability.** The paratype is similar to the holotype, without any differences.

**Differential diagnosis.** This species is very similar to all species from *G. laevigatus*-species group, but differs by the shape of the pronotum and the aedeagus (new species - Fig. 1b, other Palaearctic species see Zahradník 2007). This species also has the most visible striae on the elytra.

**Name derivation.** Patronymic, dedicated to my friend Josef Jelinek (Prague, Czech Republic), well-known specialist for the family Nitidulidae, long-term director of the Entomological Department of the National Museum Prague, now emeritus.



Figs. 1a-b. *Gastrallus jelineki* sp. nov.: a- habitus, dorsal view; b- aedeagus

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