Saphanus piceus perovici n. ssp. from Pag Island, Croatia (Coleoptera Cerambycidae Spondylidinae Saphanini)

Pierpaolo Rapuzzi1 & Toni Koren2

1Pierpaolo Rapuzzi, via Cialla 48, 33040 Prepotto, Udine, Italy; e-mail: info@ronchidicialla.it
2Toni Koren, Association Hyla, Lipovec I n. 7, 10000 Zagreb, Croatia; e-mail: koren.toni1@gmail.com

ABSTRACT

Saphanus piceus perovici n. ssp. (Coleoptera Cerambycidae Spondylidinae Saphanini) from Pag Island (Croatia) is here described. The new subspecies is related with the subspecies Saphanus piceus ganglbaueri Brancsik, 1886 described from Montenegro and known from the central and southern part of former Yugoslavia, Albania, Bulgaria, and Greece. The new subspecies is very interesting also due to the peculiar habitat where it was collected: very dry and warm.

INTRODUCTION

While studying the Cerambycidae collected in various regions of Croatia we found a small series of Saphanus Serville, 1834 collected in Pag Island (northern Dalmatia) that, after a deeper study, appears to belong to a new taxon described in this paper. The genus Saphanus until now has been composed by two species: S. piceus (Laicharting, 1784) described from Austria (Weiherburg, Innsbruck) and S. kadleci Rapuzzi et Sama, 2014 described from West Turkey (Sakarya) (Rapuzzi & Sama, 2014). After a revision of the group (Sama & Rapuzzi, 1993; Löbl & Smetana, 2010), S. piceus was splitted in three subspecies: the nominal form from Central Europe, Italy, France and northern Balkan peninsula, S. piceus ganglbaueri Brancsik, 1886 described from Montenegro (Savina) and widespread in central and southern Balkan peninsula to central Greece and S. piceus bartolonii Sama et Rapuzzi, 1993 (Greece, Ossa mountain) known from the eastern mountains of continental Greece (Ossa range and Pilion range) only. The new species is close, due to its characteristics, to S. piceus ganglbaueri. It is very interesting due to its biotope as well. It is the very first population of Saphanus that is known from the Adriatic islands. The habitat where it was collected is very dry and hot, completely different from any habitat where all the species of the tribe Saphanini normally live, except for Oxypleurus Mulsant, 1839 (Fig. 1).

RESULTS

Systematics

Ordo COleOPTERA Linnaeus, 1758
Familia CERAMBYCIDAe Latreille, 1802
Subfamilia SPONDYLIDINAE Serville, 1832
Tribus SAPHANINII Gistel, 1848
Genus Saphanus Serville, 1834
Species piceus (Laicharting, 1784) Serville, 1832

Saphanus piceus perovici n. sp. (Figs. 2, 3)

Holotypus male. Croatia, Pag Island, Sveti
male (Fig. 3), only one female specimen available (length 17.5 mm., width 7.5 mm.), shows the same dimorphism typical of the genus *Saphanus*. The length of antennae is shorter, exceeding the half of the elytral length only with the last segment. The elytral shape is wider, long-oval instead parallel side. The pronotum is more convex and the legs are stouter and shorter.

**Distribution and Biology.** *Saphanus piceus perovici* n. ssp. was collected by light traps in a very dry area of Pag Island, Croatia (Fig. 1). All the species of the genus *Saphanus* are normally collected in mountain forests, in cold and wet regions. It is very interesting to note that the vegetation of the surroundings where the new subspecies was collected are made by vegetation made by overgrown karstic grasslands with *Juniperus* bushes. Accordingly, it is very likely that the larva feed on the roots of *Juniperus* sp., the only large plant found in the area.

**Etymology.** We dedicate this new subspecies to Mag. Franjo Perović, a former curator of the Natural History Museum in Zagreb (Croatia). He dedicated most of his life to study insects and to collect a rich entomological collection of diverse orders, inspiring many generation of entomologists.

**Remarks.** *Saphanus piceus perovici* n. ssp. is close to *S. piceus ganglbaueri* due to the stouter shape of the body, the shorter antennae and legs and the absence of evident carina on elytra. A new characteristic distinguish *S. piceus piceus* and *S. piceus ganglbaueri* and it is the ratio between the second and the third and the ratio between the fourth and fifth antennal segments. In the nominal form the third segment is more than three times longer than the second and in the subspecies *S. piceus ganglbaueri* it is little more than two times longer. The fourth segment is similar in length to the fifth in *S. piceus piceus* and evidently shorter in *S. piceus ganglbaueri*. The new subspecies shows the same combinations of *S. piceus ganglbaueri* but the third and the fourth segments are even shorter. Due to this, it is more similar to *S. piceus bartolonii*. It can be distinguished from all the other subspecies of *S. piceus* due to the very regular sculpture on the pronotum, made by regular points. These points are not so regular in all the other subspecies. The shining line on the middle of pronotum is completely missing (or only very thin...
Saphanus piceus perovici n. ssp., new subspecies from Pag Island, Croatia (Coleoptera Cerambycidae)

Figure 1. The habitat on Pag Island (Croatia) where Saphanus piceus perovici n. ssp. was collected.
Figure 2. Saphanus piceus perovici n. ssp., holotypus. Figure 3. Saphanus piceus perovici n. ssp., paratypus female.
and short) in *S. piceus ganglabueri*. The vestiges of the elytral carinas are more evident than in *S. piceus ganglabueri*.

**REFERENCES**

