

Some Insects in Stems of *Thuja occidentalis*

By

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Concerns:

Ovalisia festiva (LINNAEUS, 1767) (*Buprestidae*)

Phloeosinus aubei (PERRIS, 1855) (*Scolytidae*)

Braconidae

Pteromalidae

Pogonocherus hispidus (LINNAEUS, 1758) (*Cerambycidae*)

Locality: Austria, Styria, Graz, district Gries, 350 m, 47°03'30" N, 15°25'21" E

Substrate: *Thuja occidentalis* (*Cupressaceae*)

Dates:

Tree died very slowly during 2015 and 2016

Cut 30.9.2016

Larvae 19.3.2017

Imagines 2., 5., and 15.6.2017, few 25.6.2017

Vouchers: Collections of the Biologiezentrum des oberösterreichischen Landesmuseums in Linz, *Ovalisia* and *Phloeosinus* also in the Joanneum collections in Graz



Fig. 1 and 2. Dead tree of *Thuja occidentalis* on 22.9.2016. Adjacent tree intact.



Fig. 3. Basal part of a dead trunk of *Thuja occidentalis*, c. 120 cm long. At the base (left) for c. 10–15 cm with mycelium of *Armillaria mellea* s. l. and decayed wood around the stem (Fig. 4). Otherwise with insects under the bark (Fig. 5). – Scale bar in Fig. 4 and 5 = 5 cm

Ovalisia festiva (LINNAEUS, 1767) (Buprestidae)
(*Palmar festiva*)



Fig. 6 and 7. Larvae of *Ovalisia festiva*. – Scale bar 1 cm



Fig. 8 and 9. *Ovalisia festiva*, imagines, c. 7–8 mm long
Ref.: NITZU & al. 2016, SALVETTI 2013, THOMA & EICKERMANN 2014

Phloeosinus aubei (PERRIS, 1855) (Scolytidae)



Fig. 10 and 11. Larvae of *Phloeosinus aubei*. – Scale bar 1 cm

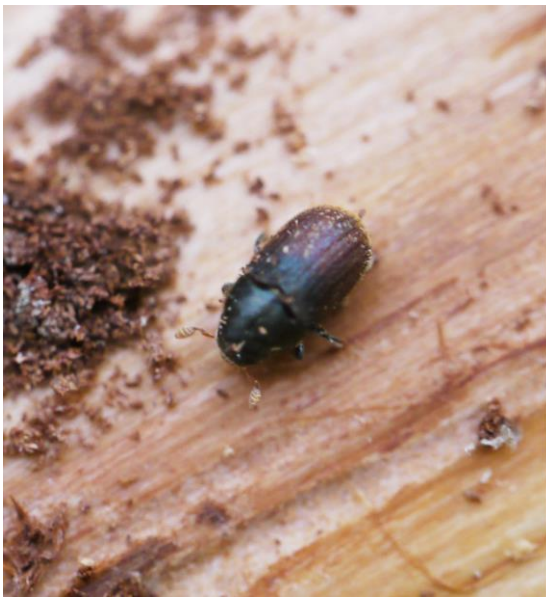


Fig. 12 and 13. *Phloeosinus aubei*, imagines, c. 2.0–2.6 mm long. – Fig. 13. Details of a male, phot. W. OBERMAYER

Ref.: CECH 2017: 91–92, LOMPE 2017

Parasitoids*Braconidae*

Fig. 14 and 15. Female and male of a parasitic wasp (*Braconidae*). Wings shaded with grey, petiolus narrow, much longer than wide, length 3.5–4.5 mm (without ovipositor)
Ref.: BAUR & KLOPFSTEIN 2007: 71, Wikipedia



Fig. 16. Female of a parasitic wasp (*Braconidae*). Wings hyaline, petiolus wide, c. 1.5× longer than wide, length c. 2.8–3.3 mm (without ovipositor)

Pteromalidae

Fig. 17. Parasitic wasp of the family *Pteromalidae*, length c. 3.0 mm
Ref.: BAUR & KLOPFSTEIN 2007: 59, Wikipedia

Pogonocherus hispidus (LINNAEUS, 1758) (Cerambycidae)



Fig. 18. *Pogonocherus hispidus*, on the bark of the trunk, but not sure that it developed therein because this species is listed for broad leaved woods only

Ref.: LOMPE 2011, TEPPNER 1970: 34–35

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