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FAUNISTIC RECORDS FROM THE CZECH REPUBLIC – 565

Coleoptera: Aderidae, Ptinidae: Anobiinae

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Aderidae

Pseudanidorus pentatomus (C. G. Thomson, 1864). Bohemia mer., Šumava Protected Landscape Area, Lenora-Vlčí Jámy (7048), 48°55′09″N, 13°46′46″E, 770 m a.s.l., 1.vi.–11.ix.2023, 4 spec., in flight intercept trap attached to trunk of a dead birch (*Betula* sp.) on a peat bog after peat extraction, partly overgrown with pioneer trees, e.g., birch (*Betula* sp.) and aspen (*Populus tremula*) (Figs 1, 5), D. Hauck leg. et det., J. Vávra revid. et coll.

Pseudanidorus pentatomus is a European species known from the Czech Republic, Denmark, Estonia, Finland, France, Germany, Italy, Norway, Poland, Russia (Central and North European territories), and Sweden (Nardi 2020). The species is extremely rare throughout its range; its biology is almost unknown (Jałoszyński et al. 2013). In the Czech Republic specific records are known only from Moravia from the Mionší National Nature Reserve and floodplain forests near Mikulčice (Vávra et al. 2015). New species for Bohemia.

Ptinidae: Anobiinae

Cacotemnus thomsoni (Kraatz, 1881). Bohemia occ., Šumava Protected Landscape Area, Hamry env., Bílá strž National Nature Reserve (6844), 49°11′34″N, 13°09′24″E, 900 m a.s.l., 1.vi.–12.ix.2023, 1 spec., in flight intercept trap attached to trunk of a dead spruce (*Picea abies*) (Fig. 2). Bohemia mer.: Šumava Protected Landscape Area, Horní Vltavice env., Jilmová skála National Monument (7048), 48°57′16″N, 13°47′51″E, 1000 m a.s.l., 12.vi.–22.vii.2023, 1 spec., in flight intercept trap attached to trunk of a dead spruce (*P. abies*); Volary env., Milešický prales Nature Reserve (7049), 48°59′03″N, 13°50′09″E, 1125 m a.s.l., 13.vi.2023, 1 spec., sitting on a trunk of a dead spruce (*P. abies*); same locality, 13.vi.–21.vii.2023, 19 spec., 21.vii.–13.ix.2023, 9 spec., all specimens in flight intercept trap attached to trunk of a freshly dead spruce (*P. abies*) of diameter ~ 60 cm standing at the edge of old-growth forest (Fig. 4). The tree attracted numerous Ichneumonidae (Hymenoptera), and beetles such as *Tetropium castaneum* (Linnaeus, 1758), *Paleocallidium coriaceum* (Paykull, 1800)

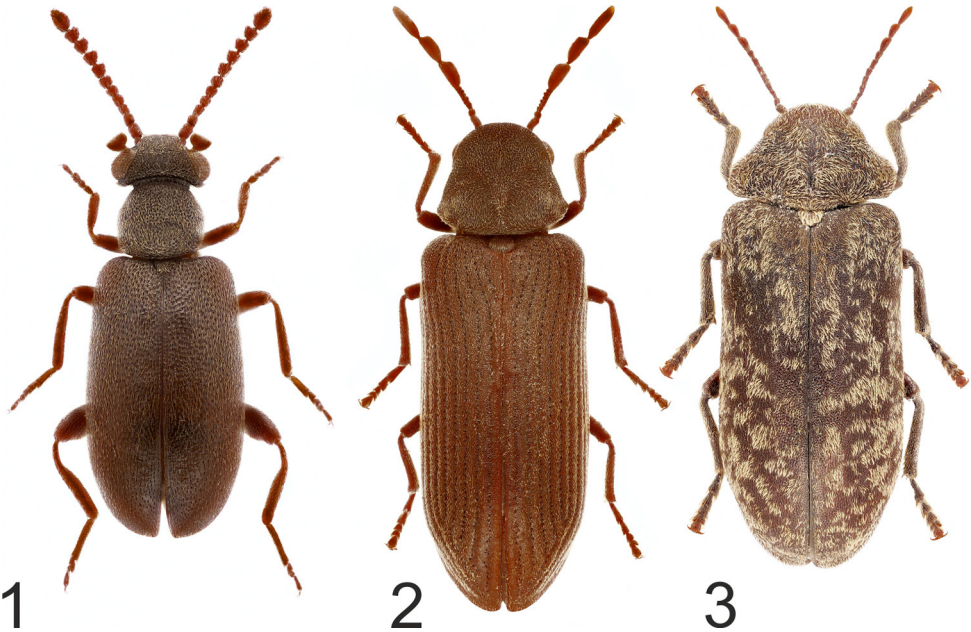
(both Cerambycidae), and *Dolotarsus lividus* (C. Sahlberg, 1834) (Melandryidae). All spec. D. Hauck leg., J. Vávra det., coll. J. Vávra et J. Kašák. All sites consist of an old-growth, well preserved, mixed mountain forest with spruce (*P. abies*), fir (*Abies alba*), beech (*Fagus sylvatica*), and sycamore (*Acer pseudoplatanus*) as the main tree species.

Boreo-montane species known from central, northern, and eastern Europe, reaching the Caucasus (Georgia) and East Siberia in the east (Zahradník 2007, Barnouin et al. 2019). In central Europe reported from Austria, Czech Republic, Germany, Poland, Slovakia, and Switzerland (Zahradník 2007, Chittaro & Sanchez 2019). In the Czech Republic, only a very old and dubious record from Kralupy nad Vltavou (Pleticha 1916, Zahradník 2013) is known from Bohemia, while from Moravia *C. thomsoni* is currently known from Skalní potok Nature Reserve in Jeseníky Protected Landscape Area (Kašák & Vávra 2023). It is a rare species restricted to natural mountain forests; its larvae develop in sapwood and thick bark of dead conifers, especially spruce (*P. abies*) (Eckelt & Kahlen 2012). First reliable records for Bohemia.

Xestobium austriacum Reitter, 1890. Bohemia mer.: Šumava Protected Landscape Area, Včelná pod Boubínem env., Čertova stráň Nature Reserve (6949), 49°00′15″N, 13°52′24″E, 870 m a.s.l., 29.vi.2023, 1 dead spec., under the bark of standing dead fir (*Abies alba*); same locality, 13.vi.–21.vii.2023, 1 spec., in flight intercept trap; Šumava Protected Landscape Area, Horní Vltavice env., Jilmová skála National Monument (7048), 48°57′16″N, 13°47′51″E, 1000 m a.s.l., 22.vii.2023, 4 dead spec., under the bark and in the wood of dead fir (*A. alba*) and spruce (*Picea abies*) trunks; same locality, 12.vi.–22.vii.2023, 1 spec., in flight intercept trap (Fig. 3). All specimens D. Hauck leg. et det., J. Kašák & J. Vávra revid. et coll. Both sites consist of an old-growth, well preserved, mixed mountain forest with spruce (*P. abies*), beech (*Fagus sylvatica*), fir (*A. alba*), and sycamore (*Acer pseudoplatanus*) as the main tree species.

Xestobium austriacum is a Central European montane species known from the Alps and the Carpathians. For a long time it was known only from a single type specimen from the Austrian Alps (Español 1964), but since then the species has been reported from the Czech Republic, Germany, Poland, Slovakia, and western Ukraine (Zahradník 2013), and also recently from Romania (Walentowski et al. 2013) and Switzerland (Chittaro & Sanchez 2019). In the Czech Republic *X. austriacum* was known only from Moravia, first recorded from the Moravskoslezské Beskydy Mts. by Vávra (1993), later found also in the Hrubý Jeseník Mts., Javorníky Mts., and other localities in the Moravskoslezské Beskydy Mts. (Vávra & Stanovský 2013, Konvička 2021, Kašák & Vávra 2023). *Xestobium austriacum* develops in dead or dying trunks of fir (*A. alba*) and spruce (*P. abies*) partially without bark. It has also been reported from old wooden buildings (Kahlen 1987, Burakowski et al. 2000, Zabransky 2001). It is considered a rare and a relic species of primeval forests (Zabransky 2001, Zahradník 2013, Eckelt et al. 2017). New species for Bohemia.

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Figs 1–3. 1 – *Pseudanidorus pentatomus* (C. G. Thomson, 1864) from Vlčí Jámy near Lenora in Šumava Protected Landscape Area, body length 2.3 mm. 2 – *Cacotemnus thomsoni* (Kraatz, 1881) from Bílá strž National Nature Reserve near Hamry in Šumava Protected Landscape Area, body length 5.2 mm. 3 – *Xestobium austriacum* Reitter, 1890 from Jilmová skála National Monument near Horní Vltavice in Šumava Protected Landscape Area, body length 7.4 mm. Photographs by Jan Sitek.

Obr. 1–3. 1 – *Pseudanidorus pentatomus* (C. G. Thomson, 1864) z Vlčích Jam u Lenory v chráněné krajinné oblasti Šumava, délka těla 2,3 mm. 2 – *Cacotemnus thomsoni* (Kraatz, 1881) z národní přírodní rezervace Bílá strž nedaleko Hamrů v chráněné krajinné oblasti Šumava, délka těla 5,2 mm. 3 – *Xestobium austriacum* Reitter, 1890 z přírodní památky Jilmová skála u Horní Vltavice v chráněné krajinné oblasti Šumava, délka těla 7,4 mm. Fotografie Jan Sitek.

BARNOUIN T., SOLDATI F. & VAN MEER C. 2019: Deux nouvelles espèces d'Anobiides pour la faune de France (Coleoptera Ptinidae, Anobiinae et Ernobiinae). *LEntomologiste* **75**: 91–96.

BURAKOWSKI B., MROCZKOWSKI M. & STEFAŃSKA J. 2000: *Katalog Fauny Polski. Część 23, tom 22. Chrząszcze – Coleoptera. Uzupełnienia tomów 2–21*. [*Catalogue of Polish fauna. Part 23, Volume 22. Beetles – Coleoptera. Supplements to Volumes 2–21*]. Muzeum i Instytut Zoologii PAN, Warszawa, 252 pp. (in Polish).

CHITTARO Y. & SANCHEZ A. 2019: Liste commentée des Bostrichoidea et Derodontoidea de Suisse (Coleoptera: Bostrichiformia, Derodontiformia). *Alpine Entomology* **3**: 175–205.

ECKELT A. & KAHLEN M. 2012: Die holzbewohnende Käferfauna des Nationalparks Kalkalpen in Oberösterreich (Coleoptera). *Beiträge zur Naturkunde Oberösterreichs* **22**: 3–57.

ECKELT A., MÜLLER J., BENSE U., BRUSTEL H., BUßLER H., CHITTARO Y., ČÍŽEK L., FREI A., HOLZER E., KADEJ M., KAHLEN M., KÖHLER F., MÖLLER G., MÜHLE H., SANCHEZ A., SCHAFFRATH U., SCHMIDL J., SMOLIS A., SZALLIES A., NÉMETH T., WURST C., THORN S., CHRISTENSEN R. H. B. & SEIBOLD S. 2017: "Primeval forest relict beetles" of Central Europe: a set of 168 umbrella species for the protection of primeval forest remnants. *Journal of Insect Conservation* **22**: 15–28.

ESPAÑOL F. 1964: Los Xestobium Motsch. paleárcticos (Col. Anobiidae). *EOS: Revista Española de Entomologia* **40**: 123–137.

JAŁOSZYŃSKI P., WANAT M., KUBISZ D., RUTA R. & KONWERSKI S. 2013: A synopsis of the family Aderidae in Poland (Coleoptera: Tenebrionoidea). *Genus* **24**: 199–216.



Fig. 4. A dead spruce (*Picea abies*), where most of the specimens of *Cacotemnus thomsoni* (Kraatz, 1881) were collected in the Milešický prales Nature Reserve. Photograph by David Hauck.
Obr. 4. Mrtvý smrk (*Picea abies*) v přírodní rezervaci Milešický prales, na kterém byla nalezena většina jedinců *Cacotemnus thomsoni* (Kraatz, 1881). Fotografie David Hauck.

KAHLEN M. 1987: *Nachtrag zur Käferfauna Tirols. Ergänzung zu den bisher erschienenen faunistischen Arbeiten über die Käfer Nordtirols* (*1950, 1971 und 1976*) *und Südtirols* (*1977*). Tiroler Landesmuseum Ferdinandeum, Innsbruck, 288 pp.
KAŠÁK J. & VÁVRA J. Ch. 2023: Faunistic records from the Czech Republic – 545. Coleoptera: Ptinidae: Anobiinae. *Klapalekiana* **59**: 309–311.
KONVIČKA O. 2021: Druhý příspěvek k faunistice brouků (Coleoptera) Valašska (východní Morava, Česká republika). (Second contribution to the faunistics of beetles (Coleoptera) in the Wallachian region (eastern Moravia, Czech Republic)). *Acta Carpathica Occidentalis* **12**: 43–102 (in Czech, English abstract).
NARDI G. 2020: family Aderidae Csiki, 1909. Pp. 626–631. In: IWAN D. & LÖBL I. (eds): *Catalogue of Palaearctic Coleoptera. Volume 5. Tenebrionoidea. Revised and Updated Second Edition.* Brill, Leiden, xxiv + 945 pp.
PLETICHA J. 1916: Noví brouci pro českou faunu. [New beetles for the Czech fauna]. *Časopis České Společnosti Entomologické* **13**: 24–25 (in Czech).
VÁVRA J. 1993: Faunistic records from the Czech Republic – 3. Coleoptera: Elateridae, Anobiidae, Tenebrionidae. *Klapalekiana* **29**: 44.
VÁVRA J. Ch. & STANOVSKÝ J. 2013: Brouci (Coleoptera). Pp. 294–311. In: ROHÁČEK J., ŠEVČÍK J. & VLK P. (eds): *Příroda Slezska.* (*Nature of Silesia*). Slezské zemské muzeum, Opava, 480 pp. (in Czech, English summary).
VÁVRA J. Ch., VODKA S., HAUCK D. & SCHLAGHAMERSKÝ J. 2015: Faunistic records from the Czech Republic – 392. Coleoptera: Aderidae. *Klapalekiana* **51**: 259–260.
WALENTOWSKI H., SCHULZE E. D., TEODOSIU M., BOURIAUD O., VON HESSBERG A., BUSSLER H., BALDAUF L., SCHULZE I., WÄLDCHEN J., BÖCKER R., HERZOG S. & SCHULZE W. 2013:



Fig. 5. Habitat of *Pseudanidorus pentatomus* (C. G. Thomson, 1864) in the Vlčí Jámy peat bog. Photograph by David Hauck.
Obr. 5. Biotop druhu *Pseudanidorus pentatomus* (C. G. Thomson, 1864) na rašeliništi Vlčí Jámy. Fotografie David Hauck.

Sustainable forest management of Natura 2000 sites: a case study from a private forest in the Romanian Southern Carpathians. *Annals of Forest Research* **56**: 217–245.

ZABRANSKY P. 2001: Xylobionte Käfer im Wildnisgebiet Dürrenstein. Pp. 149–179. In: ANONYMOUS (ed.): *LIFE-Projekt Wildnisgebiet Dürrenstein. Forschungsbericht. Ergebnisse der Begleitforschung 1997–2001*. Amt der Niederösterreichischen Landesregierung, St. Pölten, 313 pp.

ZAHRADNÍK P. 2007: family Ptinidae Latreille, 1802 [without subfamilies Gibbiinae Mulsant & Rey, 1868, and Ptininae Latreille, 1802]. Pp. 339–362. In: LÖBL I. & SMETANA A. (eds): *Catalogue of Palaearctic Coleoptera. Volume 4. Elateroidea – Derodontoidea – Bostrichoidea – Lymexyloidea – Cleroidea – Cucujoidea*. Apollo Books, Stenstrup, 935 pp.

ZAHRADNÍK P. 2013: *Brouci čeledi červotočovití (Ptinidae) střední Evropy. Beetles of the family Ptinidae of Central Europe*. Academia, Praha, 349 pp. (in Czech and English).