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**FAUNISTIC RECORDS FROM THE CZECH REPUBLIC – 305**

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**Hymenoptera: Formicidae**

*Temnothorax jailensis* (Arnoldi, 1977). Moravia mer., lower Thaya river floodplain near Lednice and Ladná, 165–180 m a.s.l. Five workers collected using flight intercept traps between 18.vi.–14.vii.2006. The traps were located (i) on an old open-grown pedunculate oak (*Quercus robur*, trunk diameter 150 cm, trap located 6 m above ground) growing on the edge of a wooded meadow (48°47'57.923"N, 16°50'49.97"E); (ii) on a European white elm (*Ulmus laevis*, trunk diameter 110 cm, 14 m above ground) growing at forest edge (48°48'5.762"N, 16°50'49.89"E); (iii) on a narrow-leaved ash (*Fraxinus angustifolia*, trunk diameter 60 cm, 23.5 m above ground) growing in a forest clearing (48°48'34.52"N, 16°47'15.411"E); and (iv) in the understorey of closed canopy forest on lime (*Tilia* sp., trunk diameter 30 cm, 3 m above ground), (48°48'34.256"N, 16°47'9.493"E); Š. Vodka lgt., P. Pech det. et coll., P. Werner revid. et coll. *Temnothorax jailensis* nests in dry twigs and branches of living trees (P. Werner, pers. comm.). It is a monogyne, obligatory arboricolous species inhabiting forest steppes and open woodlands (Seifert 2008; P. Werner & A. Schulz, pers. comm.) known from the Crimea (Ukraine) (Arnoldi 1977; Radchenko 1995), Slovakia (Krupinska planina) (Werner & Wieszik 2007), Austria (Steiner et al. 2002), Italy and the Balkans (A. Schulz, pers. comm.). New species for the Czech Republic.

One of the sites occupied (wooded meadow near Ladná) is one of the last and best preserved fragments of open woodland with giant oak trees in the area. The other site is a small stand untouched by intensive forestry practices. The wider area of the Thaya river floodplain woodlands is renowned as biodiversity hotspot (e.g. Rozkošný & Vaňhara 1995–1996). It lacks legal protection, however, and woodlands of high conservation value are rapidly disappearing due to intensive logging, and/or following cessation of traditional woodland management such as pasturing and coppicing (Miklín et al. 2010). *T. jailensis* should thus be considered as a critically endangered species in the Czech Republic.

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