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A New Record of *Ancyronyx yunju* (Coleoptera, Elmidae) from Vietnam, with Notes on the Wing Dimorphism

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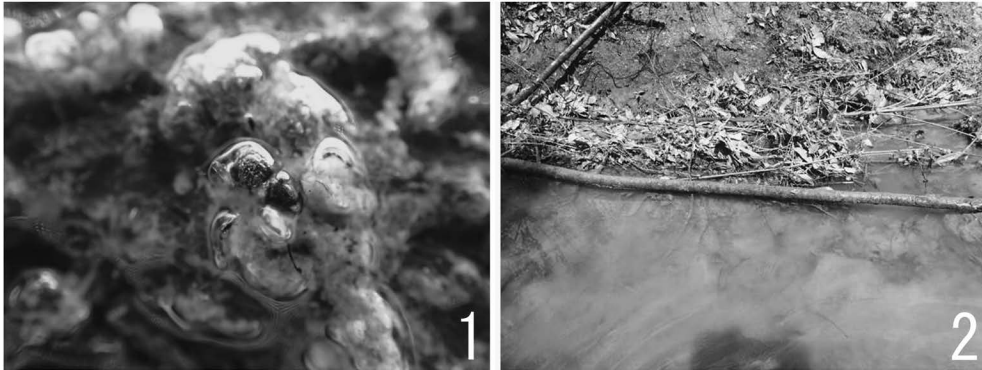
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Ancyronyx yunju was described from southern China (BIAN *et al.*, 2012), and YOSHITOMI (2014) recorded this species from northern Laos. In the present paper, we record this species from northern Vietnam for the first time.

Specimens examined. 15 males (3 macropterous, 12 apterous) and 25 females (7 macropterous, 18 apterous), 14 possible larvae, [VN39] Tay Yen Tu, Bac Giang Prov., Vietnam, 21°11'3.65"N 106°44'42.44"E, ca 120 m, 10–VII–2014, H. YOSHITOMI leg.

All the specimens were collected from the surface of one immersed broad leaf wood (Figs. 1 & 2; 400 cm in length and across in diameter 7 cm) situated on a small stream (flow velocity: 8 m/min; river width: 3 m; depth: 10–50 cm; water temperature: 26.3°C). The other elm species could not be collected from this wood. The



Figs. 1 & 2. *Ancyronyx yunju* from Vietnam. — 1, Adult; 2, habitat.

specimens are preserved in Ehime University Museum, the National Museum of Nature and Science, Tsukuba, the Naturhistorisches Museum, Wien, and Vietnam National Museum of Nature.

Notes. Two *Ancyronyx* species, *Ancyronyx acaroides acaroides* GROUVELLE, 1896 and *Ancyronyx procerus* JÄCH, 1994, were recorded from South Vietnam, and this is the third species of the genus *Ancyronyx* from Vietnam. *Ancyronyx yunju* is easily distinguished from the other two species by the pronotal coloration fully black.

Ancyronyx yunju has been known only the apterous form (BIAN *et al.*, 2012; YOSHITOMI, 2014), and we report the presence of hind wing dimorphism in this species. The percentage of occurrence of the macropterous form in *Ancyronyx yunju* is 25.0%. Two Japanese riffle beetles, *Stenelmis vulgaris* and *Leptelmis gracilis*, which live on the surface of immersed wood such as *Ancyronyx yunju*, show the hind wing dimorphism, and the percentages of occurrence of the macropterous form are 38.0 and 24.2 respectively (HAYASHI *et al.*, 2013).

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