Biological Notes on *Haliplus sharpi* Wéhncke, 1880
(Coleoptera: Haliplidae)

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Figs. 1–5. *Haliplus sharpi*. — 1, Third instar larva on *Chara braunii*; 2, 2nd instar larva; 3, 3rd instar larva; 4, pupa (a, ventral; b, lateral; c, dorsal view); 5, adult (a, teneral in the pupal chamber; b, mature). Scale bar: 2.0 mm.
Haliplus sharpi Wehncke, 1880 inhabits stagnant waters and is found in China, Japan, and Korea (Vondel, 1991). Its population has decreased in recent years (Satô, 2006) and it is included on Red Lists throughout Japan. However, little is known about its life history, particularly during the larval stage. Here, I report host plant records and biological notes on H. sharpi.

I collected larvae of H. sharpi from the branches of two species of algae (Characeae), Nitella tenuissima var. japonica and Chara braunii, from July to August in Shiga, Japan (Figs. 1–3). Adult H. sharpi were collected at the same location by Kawase et al. (2011). Several 2nd and 3rd (last) instar larvae were kept in the laboratory at room temperature with N. tenuissima var. japonica and C. braunii. All of the larvae on both types of algae grew to the 3rd instar stage by late August. Mature individuals left their host algae and moved to an artificial shore made of tissue paper in early September. After digging in the soil, the specimens constructed round chambers in which they pupated (Fig. 4). Emerged adults remained in their chambers until March of the following year (Fig. 5).

Specimens examined. 1 ex. (3rd instar larva), rice paddy, Mukugawa, Imazu-chô, Takashima, Shiga, Honshu, Japan, 1–IX–2010, K. Nakanishi leg., on N. tenuissima var. japonica; 1 ex. (adult), same locality, collector, and host plant, 5–VIII–2011; 2 exs. (2nd and 3rd instar larvae), same locality, date, and collector, on C. braunii (Figs. 1–3); 1 ex. (3rd instar larva), rice paddy, Hassaka-chô, Hikone, Shiga, Honshu, Japan, 12–VIII–2011, K. Nakanishi leg., on C. braunii; 1 ex. (adult), same locality, collector, and host plant, 9–II–2012, collected as 3rd instar larva (Fig. 5). All of the specimens are deposited in the Laboratory of Environmental Zoology, The University of Shiga Prefecture, Shiga.

References


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