

Collecting Records of Water Beetles in North Korea

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Abstract Collecting records of 15 species belonging to the families of Dytiscidae, Hydrophilidae and Scirtidae are listed from North Korea. Of these, eight species are recorded for the first time from the country.

Introduction

In the course of field survey of the wildlife fauna of the DPR Korea (=North Korea) in 2008, the second author Changdo HAN collected a large number of insects mainly from Pyongyang City and Mt. Myohyang-san situated about 200 km north from the city. In this paper, we will report some collecting record of water beetles based on the collection.

The specimens reported herein are preserved in the Entomological Laboratory, Ehime University, Matsuyama (EUMJ) and the Wildlife Research Center in Korea University, Tokyo.

List

Dytiscidae

1. *Hyphydrus japonicus* SHARP, 1873

Specimens examined. 1 ex., Pyong Yang City, around Pyong Yang Hotel, near Daedong River, 20–VI–2008, Changdo HAN leg.; 7 exs., ditto, 8–VII–2008, Changdo HAN leg.; 11 exs., ditto, 15–VII–2008, Changdo HAN leg.; 1 ex., Pyong Yang City, Sun An Airport, Light of Entrance, 17–VII–2008, Changdo HAN leg.

Notes. This species has been recorded from Russia (Far East), Japan and South Korea (NILSSON, 2003). This species is newly recorded from North Korea.

2. *Hydroglyphus japonicus* (SHARP, 1873)

Specimens examined. 1 ex., Pyong Yang-City, Around Pyong Yang Hotel, near Daedong River, 20–VI–2008, Changdo HAN leg.; 2 exs., Hyang San Gun, around Chongchon Hotel, near Chongchon River, 1–VII–2008, Changdo HAN leg.; 2 exs., ditto, 4–VII–2008, Changdo HAN leg.; 3 exs., Pyong Yang City, Sun An Airport, Light of

Entrance, 17–VII–2008, Changdo HAN leg.

Notes. This species has been recorded from China, Russia (Far East), Japan, North Korea and South Korea (NILSSON, 2003).

3. *Nebrioporus hostilis* (SHARP, 1884)

Specimens examined. 2 exs., Pyong Yang City, around Pyong Yang Hotel, near Daedong River, 20–VI–2008, Changdo HAN leg.

Notes. This species has been recorded from China, Russia (Far East), Japan, North Korea, South Korea and Taiwan (NILSSON, 2003).

4. *Neonectes natrix* (SHARP, 1884)

Specimens examined. 3 exs., Hyang San Gun, around Hyangsan Hotel, near Chongchon River, 5–VII–2008, Changdo HAN leg.

Notes. This species has been recorded from China, Russia (Far East) and Japan. This species is newly recorded from North Korea (NILSSON, 2003).

5. *Laccophilus difficilis* SHARP, 1873

Specimens examined. 2 exs., Pyong Yang City, around Pyong Yang Hotel, near Daedong River, 8–VII–2008, Changdo HAN leg.; 2 exs., ditto, 15–VII–2008, Changdo HAN leg.; 18 exs., Pyong Yang City, Sun An Airport, Light of Entrance, 17–VII–2008, Changdo HAN leg.

Notes. This species has been recorded from China, Japan, North Korea and South Korea (NILSSON, 2003).

6. *Copelatus weymarni* BALFOUR-BROWNE, 1946

Specimens examined. 2 exs., Pyong Yang City, Sun An Airport, Light of Entrance, 17–VII–2008, Changdo HAN leg.

Notes. This species has been recorded from China, Russia (Far East), Japan and South Korea (NILSSON, 2003). This species is newly recorded from North Korea.

7. *Platambus fimbriatus* SHARP, 1884

Specimens examined. 13 exs., Hyang San Gun, around Chongchon Hotel, near Chongchon River, 1–VII–2008, Changdo HAN leg.; 4 exs., ditto, 4–VII–2008, Changdo HAN leg.

Notes. This species has been recorded from China, Russia (Far East) and South Korea (NILSSON, 2003). This species is newly recorded from North Korea.

8. *Rhantus suturalis* (MACLEAY, 1825)

Specimens examined. 1 ex., Pyong Yang City, around Pyong Yang Hotel, near Daedong River, 23–VI–2008, Changdo HAN leg.; 2 exs., ditto, 8–VII–2008, Changdo HAN leg.; 1 ex., Hyan San Gun, around Hyangsan Hotel, near Chongchon River, 6–VII–2008, Changdo HAN leg.; 1 ex., Kang Uon Do, Uon San City, An Byon Gun, Pisan Ri, 22–VII–2008, Changdo HAN leg.

Notes. This species is distributed worldwide from the Palaearctic, the Australian, to the Oriental Regions (Nilsson, 2003).

9. *Hydaticus bowringii* CLARK, 1864

Specimen examined. 1 ex., Kang Uon Do, Uon San City, An Byon Gun, Pisan-Ri, 22–VII–2008, Changdo HAN leg.

Notes. This species has been recorded from China, Japan, South Korea and Taiwan (NILSSON, 2003). This species is newly recorded from North Korea.

Hydrophilidae**1. *Berosus (Enoplurus) lewisius* SHARP, 1873**

Specimens examined. 10 exs., Pyong Yang City, around Pyong Yang Hotel, near Daedong River, 20–VI–2008, Changdo HAN leg.; 1 ex., ditto, 25–VI–2008, Changdo HAN leg.; 4 exs., ditto, 8–VII–2008, Changdo HAN leg.; 1 ex., ditto, 15–VII–2008, Changdo HAN leg.

Notes. This species has been recorded from China, Japan, Mongolia, North Korea, Russia (Far East), South Korea and Vietnam (HANSEN, 2004).

2. *Laccobius* (s. str.) *bedeli* SHARP, 1884

Specimens examined. 3 exs., Pyong Yang City, Sun An Airport, Light of Entrance, 17–VII–2008, Changdo HAN leg.

Notes. This species has been recorded from China, Japan, Russia (Far East) and South Korea (HANSEN, 2004). This species is newly recorded from North Korea.

3. *Laccobius (Microlaccobius) oscillans* SHARP, 1884

Specimens examined. 4 exs., Hyang San Gun, around Chongchon Hotel, near Chongchon River, 1–VII–2008, Changdo HAN leg.; 22 exs., ditto, 4–VII–2008, Changdo HAN leg.

Notes. This species has been recorded from China, Japan, North Korea, Russia (Far East) and South Korea (HANSEN, 2004).

4. *Enochrus (Holcophilyedrus) simulans* (SHARP, 1873)

Specimens examined. 1 ex., Pyong Yang City, around Pyong Yang Hotel, near Daedong River, 20-VI-2008, Changdo HAN leg.; 6 exs., ditto, 8-VII-2008, Changdo HAN leg.; 6 exs., ditto, 15-VII-2008, Changdo HAN leg.; 45 exs., Pyong Yang City, Sun An Airport, Light of Entrance, 17-VII-1008, Changdo HAN leg.

Notes. This species has been recorded from China, Japan, Russia (Far East), South Korea and Taiwan (HANSEN, 2004). This species is newly recorded from North Korea.

5. *Hydrophilus bilineatus caschmirensis* REDTENBACHER, 1844

Specimens examined. 3 exs., Pyong Yang City, around Pyong Yang Hotel, near Daedong River, 20-VI-2008, Changdo HAN leg.; 1 ex., ditto, 8-VII-2008, Changdo HAN leg.; 1 ex., ditto, 9-VII-2008, Changdo HAN leg.; 1 ex., ditto, 15-VII-2008, Changdo HAN leg.; 1 ex., Pyong Yang City, around Daedong River, near Pyong Yang Hotel, 17-VII-2008, Changdo HAN leg.

Notes. This species has been recorded from Burma, Cambodia, China, India, Indonesia, Malaysia, Sri Lanka, Taiwan, Thailand, Vietnam, Japan and South Korea (HANSEN, 2004). This species is newly recorded from North Korea.

Scirtidae

1. *Scirtes japonicus* KIESENWETTER, 1874

Specimens examined. 1 ex., Pyong Yang City, around Daedong River, near Pyong Yang Hotel, 22-VI-2008, Changdo HAN leg.; 1 ex., Pyong Yang City, Mt. Daesong San, 26-VI-2008, Changdo HAN leg.; 1 ex., Hyang San Gun, around Chongchon Hotel, near Chongchon River, 1-VII-2008, Changdo HAN leg.

Notes. This species has been recorded from Japan, South Korea, Taiwan, China, East Russia and Hawaii (KLAUSNITZER *et al.*, 2006; YOSHITOMI, 2008). This species is newly recorded from North Korea.

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要 約

新田涼平・韓 昌道・吉富博之：北朝鮮からの水生甲虫類の採集記録。—— 第2著者の採集し

た標本を基に、北朝鮮からゲンゴロウ科 (9 種), ガムシ科 (5 種), マルハナノミ科 (1 種) の合計 15 種の採集記録をリストアップした。そのうち, 8 種については北朝鮮から初記録であった。

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Records of the Genus *Baryrhynchus* (Brentidae, Arrhenodini) on Akuseki Island of the Tokara Islands, Japan

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Baryrhynchus LACORDAIRE, 1866 is widely distributed in Southeast Asia and its adjacent areas, from India to the Solomon Islands and to Japan, and consists of 25 species (MORIMOTO, 2008). Three species of this genus are recorded from Japan (MORIMOTO, 2008), i.e., *B. poweri* ROELOFS, 1879 (Japan [from Kunashiri Island in the Kuril Islands to Okinawa Island, but not recorded from Hokkaido], Taiwan, South China, Vietnam, Borneo and India), *B. tokarensis* OHBAYASHI et SATÔ, 1966 (Akuseki Island and Takara Island of the Tokara Islands) and *B. yaeyamensis* MORIMOTO, 1979 (Ishigaki Island and Iriomote Island). In the Tokara Islands, *B. poweri* has been recorded from Nakano-shima Island (MORIMOTO, 1984; SASAKI *et al.*, 2002). *Baryrhynchus tokarensis* is endemic to the Tokara Islands (Akuseki Island and Takara Island), and is designated as Data Deficient (DD) by Kagoshima Prefecture (2003), because there are only a few recent reports.

The body length of *B. tokarensis* was reported as 20.5–21.5 mm (MORIMOTO, 1984, 2008). The range of the body length of *B. tokarensis* is smaller than those of *B. poweri* (10.6–23.5 mm)

and *B. yaeyamensis* (13.4–24.0 mm) (MORIMOTO, 2008).

In this paper, we are going to report a new record of *B. poweri* and additional record of *B. tokarensis* in Akuseki Island, the Tokara Islands. We also record the body length of these species.

Baryrhynchus poweri ROELOFS, 1879

Specimen examined. 1♀, Uebura, Akuseki Island, Tokara Islands, Kagoshima Pref., Kyushu, Japan, 8–VIII–2008, T. KIYOSHI & T. HOSOYA leg.

Notes. The specimen examined measures 20.2 mm in body length. This specimen was found from a rotten wood in a village.

Baryrhynchus tokarensis OHBAYASHI et SATÔ, 1966

Specimens examined. 4♂♂, 6♀♀, Uebura, Akuseki Island, Tokara Islands, Kagoshima Pref., Kyushu, Japan, 8–VIII–2008, T. KIYOSHI & T. HOSOYA leg.

Notes. The male specimens examined measure 15.1 mm, 18.2 mm, 19.6 mm and 24.8 mm in body length. The female specimens examined measure 13.7 mm, 13.8 mm, 18.4 mm, 20.2 mm, 20.4 mm and 25.0 mm in body length. The range of body length in this report (13.7–25.0 mm) is larger than in the past reports (20.5–21.5 mm) (MORIMOTO, 1984, 2008). These specimens were found from rotten woods in a village.

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