

New records of *Hydrometra* LATREILLE, 1796 (Insecta: Heteroptera: Hydrometridae) from Myanmar

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Abstract

New records of four species of the genus *Hydrometra* are presented from Myanmar, three of which are the first from this country: *Hydrometra annamana* HUNGERFORD & EVANS, 1934, *H. longicapitis* TORRE-BUENO, 1927, and *H. ripicola* ANDERSEN, 1992.

Key words: Heteroptera, Hydrometridae, *Hydrometra*, new record, Myanmar.

Zusammenfassung

Neue Nachweise von vier Arten der Gattung *Hydrometra* werden aus Myanmar erbracht, von denen drei die ersten für dieses Land sind: *Hydrometra annamana* HUNGERFORD & EVANS, 1934, *H. longicapitis* TORRE-BUENO, 1927, and *H. ripicola* ANDERSEN, 1992.

Introduction

Taxonomy and distribution of the Southeast Asian species of the genus *Hydrometra* LATREILLE, 1796 have been recently treated in several studies (POLHEMUS & POLHEMUS 1995, SITES & POLHEMUS 2003, ZETTEL & YANG 2004, VITHEEPRADIT & al. 2005, YANG & ZETTEL 2005) and are relatively well-known – with the exception of the poorly studied fauna of Myanmar. From the Southeast Asian mainland (inclusively the most southern parts of China) twenty species are known (ANDERSEN 1995, YANG & ZETTEL 2005). Hitherto, only three species have been recorded from Myanmar: *Hydrometra greeni* KIRKALDY, 1898 (YANG & ZETTEL 2005), *H. jaczewskii* LUNDBLAD, 1933 and *H. orientalis* LUNDBLAD, 1933 (POLHEMUS & POLHEMUS 1995). This paper presents records of additional three species. All specimens used for this study are deposited in the Natural History Museum Vienna.

Distributional records of species of *Hydrometra* from Myanmar

Hydrometra annamana HUNGERFORD & EVANS, 1934

Material examined: 1 ♂ (macropterous) "Myanmar (135): Shan State, west. shore of Inle Lake, in Nyaung-win vill., ca. 890 m., 20°36.718'N 96°52.908'E, wetland, 3.VI.2004\ leg. Shaverdo & Schillhammer"; 1 ♀ (macropterous) "Burma, IX 1986\ Kilda Stausee [Mandalay Div.: TadaU] leg.: Tobias".

Previous records of this species are from southern China, Taiwan, Japan, and Thailand (POLHEMUS & POLHEMUS 1995, YANG & ZETTEL 2005). First records from Myanmar.

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***Hydrometra greeni* KIRKALDY, 1898**

Material examined: 1 ♀ (macropterous) "Myanmar (135): Shan State, west. shore of Inle Lake, in Nyaungwin vill., ca. 890 m, 20°36.718'N 96°52.908'E, wetland, 3.VI.2004\ leg. Shaverdo & Schillhammer"; 1 ♀ (macropterous) "Myanmar (149): Shan State\ ca.2.5 km N Mintaingbin Forest Camp, ca. 1250 m, 20°55.722'N 96°32.913'E, 12./16.VI.2004\ leg. Shaverdo & Myint Hlaing"; 4 ♀ ♀ (macropterous) "BURMA, Kinda-Stausee [Mandalay Div.: TadaU]\ Einzugsgeb. d. Palaung-Flusses\ Lichtfang, 23.-25.11.1989\ leg. TOBIAS"; 3 ♀ ♀ (macropterous) "Burma\ Kinda-Stausee\ leg. Tobias\ XI 1989"; 3 ♂ ♂, 11 ♀ ♀ (macropterous) "Burma, IX 1986\ Kilda Stausee [sic]\ leg.: Tobias".

This species is widely distributed from Sri Lanka and India to southern China, Sumatra and Nias in Indonesia (see YANG & ZETTEL 2005: tab. 1).

***Hydrometra longicapitis* TORRE-BUENO, 1927**

Material examined: 1 ♀ (brachypterous) "Myanmar (147C): Shan State\ SE Mintaingbin Forest Camp\ 20°55.097'N 96°33.805'E\ ca. 1274m, puddles, 13./17. VI.2004, leg. Shaverdo"; 1 ♂ (macropterous) "Myanmar (133): Shan State\ 1 km E Nyaungshwe\ 20°39.572'N 96°57.751'E\ ca. 925 m, stream, 3.06.2004\ leg. Shaverdo & Schillhammer".

Hydrometra longicapitis is widely distributed from southwestern China to Sumatra, Java, and Borneo (see YANG & ZETTEL 2005: tab. 1). First record from Myanmar.

***Hydrometra ripicola* ANDERSEN, 1992**

Material examined: 1 ♂ (micropterous) "Myanmar (136): Shan State\ Main Thouk Forest Monastery\ 20°34.617'N 96°57.851'E\ ca. 1160m, 4.VI.2004\ leg. Shaverdo & Schillhammer".

This rarely collected species is only known from northern and northeastern Thailand, where it is widely distributed (VITHEPRADIT & al. 2005). First record from Myanmar.

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References

- ANDERSEN N.M., 1995: Infraorder Gerromorpha POPOV, 1971 - semiaquatic bugs. – In: AUKEMA B. & RIEGER C. (eds.): Catalogue of the Heteroptera of the Palaearctic Region. Netherlands Entomological Society, Amsterdam, xxvi+222 pp.
- POLHEMUS J.T. & POLHEMUS D.A., 1995: Revision of the genus *Hydrometra* LATREILLE in Indochina and the Western Malay Archipelago (Heteroptera: Hydrometridae). – Bishop Museum Occasional Papers 43: 9-72.
- SITES R.W. & POLHEMUS J.T., 2003: Two new species of *Hydrometra* LATREILLE (Heteroptera: Hydrometridae) from Thailand. – Proceedings of the Entomological Society of Washington 105(1): 138-143.
- VITHEPRADIT A., SITES R.W., ZETTEL H. & YANG C.M., 2005 [2003]: Review of the Hydrometridae (Heteroptera) of Thailand, with distribution records. – Natural History Bulletin of the Siam Society 51(2): 197-223.
- YANG C.M. & ZETTEL H., 2005: Guide to the aquatic Heteroptera of Singapore and Peninsular Malaysia: 5. Family Hydrometridae. – The Raffles Bulletin of Zoology 53(1): 79-97.
- ZETTEL H. & YANG C.M., 2004: New Oriental species and subspecies of *Hydrometra* LATREILLE (Heteroptera: Hydrometridae). – The Raffles Bulletin of Zoology 52(2): 389-398.