

TRICHOPTERA

BY

A. V. MARTYNOV (Leningrad)

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The collection is not large; it contains 37 specimens belonging to four species.

FAMILLE HYDROPSYCHIDAE.

1. — *Hydropsyche hamifera* ULM.

Fig. 1-2.

Hydropsyche hamifera ULMER, Stett. Entom. Ztg., 66, 1905, p. 88, pl. 4, fig. 115-118; Treubia, 11, Livr. 4, 1930, p. 438 (Celebes).

27 ♂♂, 7 ♀♀. Celebes, Menado (Van Braeckel).

Colouring, as in Ulmer's description; size somewhat varying. The male

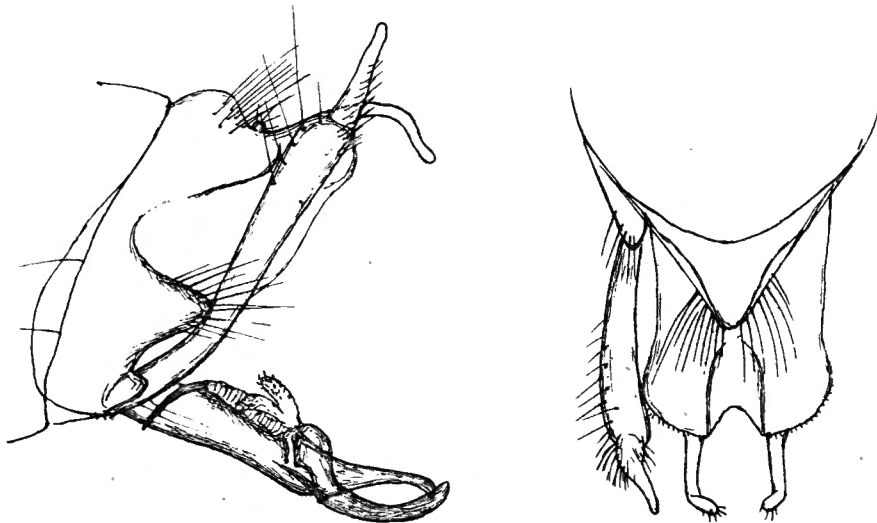


FIG. 1 AND 2. — *Hydropsyche hamifera* Ulm.
♂. Genital segments and appendages

genitalia are described by G. Ulmer, but his figures are too small, therefore I give here two additional ones.

♂. Ninth tergite forming above a distinct triangular projection. 10th segment large; its middle portion, behind the end of 9th tergite, is somewhat impressed and excised at its hindmargin; at the base of the 10th segment there are, above, two small tubercles; superiorly the apex of 10th segment is prolonged into two slender, stickshaped processes, curved downwards and inwards.

Basal joint of the pedes genitales long, second joint small, slender, but somewhat tickened in its basal portion. Penis composite; its apex is prolonged into a median long, curved, stickshaped outgrowth, and into two lateral processes which are somewhat curved inwards towards their apices; these lateral processes are a little shorter than the median one. From the base of the lateral processes arise, on each side, two small soft, pale appendages, bearing minute brown spinules, and a longer appendage, directed to the body; the basal part of this appendage is also soft and pale, but the distal portion is sclerotized, brown, clawshaped, directed downwards.

H. hamifera is known only from Celebes, but in the Philippines and in Java occur two very closely allied species. *H. forcipata* Ulm. (Philippines) and *H. javanica* (Java).

2. — *Aethaloptera sexpunctata* KOL.

Setodes sexpunctata KOLENATI, Gen. et Spec. Trichopt. II, 1859, p. 266, pl. 3, fig. 28.

Aethaloptera sexpunctata ULMER, Stett. Entom. Ztg. 66, 1905, p. 50, pl. 1, fig. 40; ULMER, Cat. Coll. Selys, VI (2), 1907, p. 19; BETTEN, Rec. Ind. Mus., 1909, p. 234, pl. 14, fig. 10-12; ULMER, Treubia, 11, Livr. 4, 1930, p. 433.

Polymorphanisus sexpunctatus BRAUER, Verh. Zool. Bot. Ges. Wien, 18, 1868, p. 263.

♂. Samarinda, Borneo, 8-II-1929.

This species is known from Borneo, East India, Indochina.

3. — *Macronema fenestratum* ALB.

Macronema fenestratum ALBARDA, in Veth's Midden-Sumatra, 5, 1881, p. 18, pl. 5, fig. 3; ULMER, Not. Leyden Mus., 28, 1906, p. 66, fig. 69-72; ULMER, Cat. Coll. Selys, VI (2), 1907, p. 92, fig. 100-101, pl. 4, fig. 28 ULMER, Genera Trich., 1907, pl. 40, fig. 1; ULMER, Arch. f. Naturg., 91, A, Heft 5 1925 (1926), p. 54; Treubia, 11, Livr. 4, 1930, p. 436.

♀. Bireun, Sumatra, 8-V-1929.

A defect specimen. Known from Java, Sumatra, Borneo, Luzon, China.

FAMILLE LEPTOCERIDAE.

4. — *Notanatomica opposita* WALK.

Leptocerus oppositus WALKER, Cat. Neur. Brit. Mus., 1852, p. 73.

Notanatomica opposita MC LACHLAN, Trans. Ent. Soc. London (3), 5, 1866, pp. 257-258;

ULMER, Not. Leyden Mus., 28, 1906, p. 32; DÖHLER, Deutsche Entom. Ztschr., 1915, p. 406; ULMER, Arkiv f. Zool., 10, N. 13, 1916, p. 17, fig. 22; ULMER, Treubia, 11, Livr. 4, 1930, p. 404.

♂. Celebes, Menado (Van Braeckel).

A widely distributed species: known from Celebes, Tasmania, Victoria, Philippines.

