

ARTHROCORMUS

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Arthrocormus Dozy & Molk., *Musci Frond. Ined. Archip. Ind.* 75 (1846), from the Greek *arthro-* (jointed) and *cormos* (a trunk), based on a fanciful resemblance to vertebrae.

Type: *A. schimperi* (Dozy & Molk.) Dozy & Molk.

Dioecious. Plants slender, rigid, fragile, whitish green, tinged with brown, glossy and slightly iridescent when dry, to 2 cm tall. Leaves to 5–6 mm long, crowded, very brittle, rigid, erect-spreading, indistinctly tristichous, usually broken off about halfway down, linear from a narrow concave hyaline base, abruptly and sharply pointed. Lamina of hyaline cells forming about two-thirds of the leaf base; cells linear in 2 or 3 rows at margins and then abruptly larger and rectangular in 5 or 6 rows towards the costa, contracted above to 2 or 3 rows of linear cells. Costa convex abaxially near the base, concave adaxially, in T.S. with 2 rows of leucocysts on either side of a central row of chlorocysts. Costa thick distally, convex abaxially, in T.S. triangular towards the apex, with a median row of chlorocysts and c. 4 rows of leucocysts on either side, then a row of chlorocysts adaxially and abaxially, each covered with one surface layer of leucocysts.

Setae slender, erect, Capsules erect, cylindrical; calyptra cucullate, entire. Peristome teeth in 8 pairs, short, blunt, papillose.

This monotypic genus occurs in tropical Asia, Australia and the Pacific islands.

References

Bartram, E.B. (1939), *Mosses of the Philippines* 70–76.

Eddy, A. (1990), *A Handbook of Malesian Mosses* 2: 30–49.

Enroth, J. (1988), Gemmae in *Arthrocormus schimperi* (Dozy & Molk.) Dozy & Molk., *J. Bryol.* 15: 493–495.

Enroth, J. (1990), Bryophyte flora of the Huon Peninsula, Papua New Guinea XXXVI. Leucobryaceae (Musci), *Acta Bot. Fennica* 139: 65–120.

Arthrocormus schimperi (Dozy & Molk.) Dozy & Molk., *Musci Frond. Ined. Archip. Ind.* 76 (1846)

Mielichhoferia schimperi Dozy & Molk., *Ann. Sci. Nat., Bot.*, sér. 3, 2: 312 (1844). T: near Martapoera, Borneo [Indonesia], *Korthals*; holo: H-BR.

Illustrations: E.B.Bartram, *op. cit.* pl. 6, fig. 83; A.Eddy, *op. cit.* 34, fig. 187; J.Enroth, *op. cit.* 107, fig. 25.

Occurs on the bark of trees in north-eastern Qld. Also from Sri Lanka to Malesia, SE Asia, the Philippines, Fiji, Samoa and the Society Islands.

Qld: near Josephine Falls, *D.G.Catcheside* 76.191 (AD); Happy Valley, *H.Flecker* 6913 (CANB); Mossman Gorge, *I.G.Stone* 12096 (MELU).

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http://www.anbg.gov.au/abrs/Mosses_Online/Calymperaceae_Arthrocormus.pdf (2012)