3. ***Distichium capillaceum*** (Hedw.) Bruch & Schimp. in B.S.G. dui-ye xian

Bryol. Eur. 2: 156 (fasc. 29–30. Monogr. 4). 1846. *Cynontodium capillaceum* Hedw., Sp. Musc. Frond. 57. 1801. Syntypes. Germany, Sweden.

? *Distichium brevifolium* C. Müll., Nuovo Giorn. Bot. Ital., n.s. 3: 91. 1896. *Syn. nov*. Type. China: Xizang (Tibet), *J. Thomson 32* (holotype B, probably destroyed).

Distichium papillosum C. Müll., Nuovo Giorn. Bot. Ital., n.s. 3: 90. 1896. Type. China: Shaanxi (Schen-si), Kuan-tou Shan (Mt.), *J. Giraldi s.n.* (syntype B); Taibai (Thae-pei) Shan (Mt.), *J. Giraldi s.n.*, Aug. 1894 (syntype B); Gansu (Kansu), Rdonsug, *Potanin s.n.* 1886 (syntype B).

? *Distichium trachyphyllum* C. Müll., Nuovo Giorn. Bot. Ital., n.s. 3: 90. 1896. Type. China: Xizang (Tibet), *J. Thomson 33* (holotype B, probably destroyed).

Plants slender, small to medium-sized, 2–8 cm high, bright green or yellowish green, shiny, in dense tufts. *Stems* erect, rarely branched, radiculose below. *Leaves* crowded, distichous, 3–5 mm long, abruptly narrowed from an erect, oblong-lanceolate, sheathing base to a long, setaceous apex, with acumina about 1–3 times as long as the sheathing base; margins plane, smooth at the sheathing base, papillose in the subula; costa stout, almost filling the entire subula; upper leaf cells irregularly hexagonal, 5–12 µm × 4–5 µm, moderately thick-walled; lower and basal cells becoming elongate, linear-rectangular, 40–70 µm × 2.5–5.0 µm, rather thin-walled. *Autoicous* or *dioicous*. *Perichaetial leaves* similar to the upper stem leaves. *Setae* straight, reddish brown, 1.0–1.5 cm long; capsules erect, symmetric, oblong-ovoid to cylindric, 1.4–2.1 mm × 0.4–0.6 mm; opercula shortly conic-rostrate; annuli differentiated, in 1–2 rows of large, thick-walled cells; peristome teeth short-lanceolate, 0.10–0.15 mm long, divided nearly to the base, reddish brown or pale yellow, papillose above, obliquely striolate below. *Spores* 13–24 µm in diameter, yellowish brown, coarsely papillose.