

2. ***Warnstorfia fluitans*** (Hedw.) Loeske    fu sheng fan shi xian

Hedwigia 46: 310. 1907. *Drepanocladus fluitans* (Hedw.) Warnst., Beih. Bot. Centralbl. 13: 404. 1903. *Amblystegium fluitans* (Hedw.) De Not., Comment. Soc. Crittog. Ital. 2: 290. 1867. *Hypnum fluitans* Hedw., Sp. Musc. Frond. 296. 1801. Type: Europe. *Warnstorfia schulzei* (G. Roth) Loeske, Hedwigia 46: 310. 1907. *Drepanocladus schulzei* G. Roth, Eur. Laubm. 2: 567. 1904.

*Plants* medium-sized, yellowish green or brownish green, in loosely caespitose mats. *Stems* prostrate or ascending, to ca. 20 cm long, subpinnately branched; stem rounded in cross section; central strand weakly differentiated; pseudoparaphyllia small, triangularly foliose. *Stem leaves* erect, 2.5–3.5 mm × 0.3–0.4 mm, narrowly lanceolate, gradually narrowed toward long acuminate apex; margins plane, finely serrulate, especially in the upper part; costae single, yellow or yellowish brown, 35–40 μm at base, ca. 2/3–3/4 the leaf length; median leaf cells linear, ca. 15–30 times as long as wide; numerous apical cells differentiated, shorter, broader, hyaline, sometimes with rhizoids; basal juxtacostal cells often thick-walled, porose; alar cells large, oblong or rectangular, hyaline or yellowish brown, sometimes forming an indistinct auricle. *Autoicous*. *Perichaetial leaves* ovate-lanceolate, ca. 2.5 mm × 1.0 mm, not plicate; costae reaching 1/2 the leaf length; margins entire or serrulate above. *Setae* 40–60 μm long, curved, reddish brown; capsules oblong-ovoid to cylindrical, 2–3 mm long, with an elongate neck, arching curved above; endostome segments carinate, papillose above; cilia 2–3, papillose, as long as the segments, nodulose. *Spores* 20–25 μm in diameter, papillose.