

33. ***Brachythecium rivulare*** Schimp. in B.S.G. xi bian qing xian

Bryol. Eur. 6: 17. pl. 546. 1853. *Brachythecium albicans* subsp. *rivulare* (Schimp.) Meylan, Bull. Soc. Vaud. Sci. Nat., ser. 5, 41: 145. 1905. Type: Europe.

Brachythecium glaucoviride Müll. Hal., Nuovo Giorn. Bot. Ital., n.s., 5: 198. 1898. Type: China. Shaanxi, Sept. 1896, Giraldi s.n.

Brachythecium permolle Müll. Hal., Nuovo Giorn. Bot. Ital., n.s., 3: 126. 1896. Type: China. Shaanxi, Giraldi s.n.

Brachythecium rivulare var. *gracile* Broth., Symb. Sin. 4: 106. 1929. Type: China. Yunnan, Handel-Mazzetti 8235.

Plants rather robust, yellowish green or yellowish brown, somewhat glossy, in loose mats. *Stems* curved, ascending, to 5–10 cm long, irregularly branched; branches curved or dendroid, simple, attenuate at tips. *Stem leaves* appressed when dry, spreading when moist, ovate, 1.5–2.1 mm × 1.1–1.2 mm, concave, plane or somewhat plicate, acute at apex, distinctly decurrent at base; margins entire or serrulate above mid-leaf; costae ending at mid-leaf or slightly above; median leaf cells linear, 80–120 µm × 5–10 µm, with angled ends, thin-walled; alar cells distinctly differentiated, inflated, rounded-rectangular or hexagonal, thin-walled, in a broad group; branch leaves similar to stem leaves, 0.99–1.67 mm × 0.68–0.81 mm. *Dioicous*, rarely *autoicous*. *Perichaetial leaves* triangularly lanceolate, twisted or reflexed above, truncate at base, ecostate. *Setae* reddish brown, papillose throughout; capsules inclined, cylindrical, necks not developed; opercula shortly conic-rostrate; annuli differentiated, in 2 rows; endostome segments as long as exostome teeth, perforate; cilia 2, slightly shorter than the segments. *Spores* not seen.