

7. *Cyrto-hypnum pygmaeum* (Schimp.) Buck & Crum duo-you xi-yu xian

Contr. Univ. Michigan Herb. 17: 67. 1990. *Thuidium pygmaeum* Schimp. in B. S. G., Bryol. Eur. 5: 162. 1852. Type. U.S.A.: Ohio, Columbus.

*Thuidium perpapillosum* R. Watanabe, J. Jap. Bot. 34: 280. 1959.

*Plants* slender, small to medium-sized, 1–3 cm long, dark green to yellowish green, brownish when old, in small, interwoven mats. *Stems* creeping, regularly bipinnately branched; central strand present; paraphyllia filamentous, only on stems, apical cells 2–4 long, papillose; surfaces of both stems and branches papillose. *Stem leaves* remote, appressed when dry, triangularly ovate, 0.3 mm long, acuminate at apex; margins serrate, revolute; costa hyaline, ending at upper portion of leaves, smooth on back; median leaf cells quadrate to polygonal, 5–12  $\mu\text{m}$  wide, thin walls, 3–8 papillae per cell, apical cells 1–3 long, papillose or smooth; branch leaves concave, incurved when dry, narrowly ovate to triangular, apex short, 0.2 mm long. Autoicous.

Perichaetial leaves oblong-ovate, acuminate to lanceolate toward apex; margins serrate above. Setae slender, yellowish brown to reddish brown, ca. 1 cm long, smooth; capsules oblong-ovate, curved, reddish brown; exostome teeth yellowish brown; endostome segments lightly yellowish or hyaline, finely papillose; basal membrane 1/2 the height of endostome segments; cilia 2. Spores ca. 10  $\mu\text{m}$  in diameter, minutely papillose.