

32. ***Sphagnum portoricense*** Hampe yi-ye ni-tan xian

Linnaea 25: 359. 1852. Type. Puerto Rico.

*Plants* grayish green, or yellow above, brownish orange below, in beautiful shiny tufts. *Stem cortex* in 3–4 layers, hyaline cells with delicate fibrils, each cell with 1–3 large pores; central cylinder brownish. *Stem leaves*

1.0–1.2 mm × 1.0–1.1 mm, broadly lingulate with a broad apex; margins borders hyaline, differentiated, sometimes with fringed fibrils across the apex; hyaline cells mostly divided, often without fibrils, or with fibrils only in the upper cells. *Branches* in fascicles of 4–5, with 2–3 spreading. *Branch leaves* 2.5–3.5 mm × 2.0–2.5 mm, broadly ovate, strongly concave, narrowed at base, margins involute and hyaline, cucullate-concave and sometimes fringed and dorsally roughened at the apex; hyaline cells with large, rounded pores on the ventral surface, with numerous, half-circular pores at the opposite ends along commissural rows and membrane pleats in the upper cells on the dorsal surface; green cells in cross section rather large, nearly equilateral-triangular, exposed on the ventral surface. *Dioicous*. *Sporophytes* not seen.