

## POSIDONIACEAE

波喜荡科 bo xi dang ke

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Herbs perennial, submerged, marine, with creeping rhizome and short, erect stems. Rhizomes and stems with dense, persistent, fibrous leaf bases. Leaves basal, alternate, sheathed at base; sheaths convolute, auriculate at base, apex ligulate. Inflorescence of 1 or more aggregated spikes on elongated peduncle, subtended by reduced leaves (leaflike bracts). Flowers bisexual or uppermost with a reduced gynoeceium. Perianth absent or of 3 caducous scales. Stamens 3; anthers sessile, extrorse, with a thick connective, opening by longitudinal slits. Carpel 1; ovule 1, elongated. Fruit fleshy, indehiscent. Seeds without endosperm; embryo straight.

One genus and ca. five species; one species in Mediterranean, others on shores of W Pacific Ocean; one species in China.

Guo Youhao & Li Qingyi. 1992. *Posidonia*. In: Sun Xiangzhong, ed., Fl. Reipubl. Popularis Sin. 8: 95–96.

### 1. POSIDONIA K. D. Koenig, Ann. Bot. (König & Sims) 2: 95. 1805, nom. cons.

波喜荡属 bo xi dang shu

Morphological characters and geographical distribution are the same as those of the family.

1. *Posidonia australis* J. D. Hooker, Fl. Tasman. 2: 43. 1858.

波喜荡 bo xi dang

*Alga australis* (J. D. Hooker) Kuntze.

Leaves linear, often slightly falcate, flat, 60–90 × 0.6–1.5 cm, 11–21-veined, margin entire, apex rounded or truncate; sheaths ca. 12 × 1 cm, margins inflexed, auriculate above. Inflo-

rescences with 2–7 spikes together terminal on a leafless stem; leaflike bracts similar to leaves but small, with ± reduced blade; spikes 3–7.5 cm, 3–6-flowered. Anthers reddish, with a thick, ovate-lanceolate connective; pollen grains filiform. Carpels 4–5 mm; stigma sessile, irregularly lobed. Fruit green or yellowish green, obliquely obovoid, 1.5–3 cm.  $2n = 20$ .

Marine sandy bottoms near low tide mark. S Hainan (Sanya) [shores of W Pacific Ocean and coasts of Australia].

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