

## 11. NEOMICROCALAMUS P. C. Keng, J. Bamboo Res. 2(2): 10. 1983.

新小竹属 xin xiao zhu shu

Li Dezhu (李德铎); Chris Stapleton

*Microcalamus* Gamble, J. Asiat. Soc. Bengal, Pt. 2, Nat. Hist. 59: 207. 1890, not Franchet (1889).

Climbing or scrambling bamboos. Rhizomes short necked, pachymorph. Culms uniaespitose, scrambling, slender, hollow to solid; internodes terete, long, very smooth; nodes level to slightly raised with persistent sheath-base collar. Branches many, central dominant, approaching size of culm, others short and subequal. Culm sheaths deciduous after branching, narrowly triangular, basally very tough, apically papery; ligule inconspicuous, auricles and oral setae absent; blade erect, acicular, short. Leaves broadly linear-lanceolate, small, venation indistinct, apex acicular. Inflorescence bracteate, lateral spikelets subtended by a bract and basally prophyllate. Prophyll and glumes not subtending buds. Spikelets sessile, several flowered, followed by a terminal incomplete floret. Rachilla disarticulating and florets separately deciduous. Glumes 1, or absent in terminal spikelets; lemma glabrous. Palea 2-keeled, usually equal in length to lemma. Lodicules 3. Stamens 6; filaments free. Ovary oblong or ovate, upper portion pubescent or glabrous; style 1; stigmas 3. Caryopsis shortly terete, grooved.

About five species: Bhutan, SW China, NE India, Vietnam; two species (one endemic) in China.

Although *Neomicrocalamus* has often been synonymized within the Malesian genus *Racemobambos* Holttum, there are substantial differences in vegetative and floral morphology, and molecular evidence has confirmed that they are not closely related.

In addition to the species treated below, *Neomicrocalamus microphyllus* Hsueh & T. P. Yi (in C. Y. Wu, Fl. Xizang. 5: 50. 1987) was described from SE Xizang (Médog). This name was previously published by the same authors (J. Bamboo Res. 2(1): 35. Jan 1983), but not validly so because the generic name was not validly published until July 1983. The new combination "*Racemobambos microphylla*" (P. C. Keng & T. H. Wen, J. Bamboo Res. 5(2): 13. 1986) was not validly published because its basionym was not validly published until 1987.

- 1a. Culm internodes glabrous; leaf sheaths glabrous, oral setae absent ..... 1. *N. prainii*  
1b. Culm internodes white pubescent; leaf sheaths pubescent, with ciliate margins, oral setae present ..... 2. *N. yunnanensis*

**1. *Neomicrocalamus prainii*** (Gamble) P. C. Keng, J. Bamboo Res. 2(2): 10. 1983.

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*Arundinaria prainii* Gamble, Ann. Roy. Bot. Gard. Calcutta 7: 21. 1896; *Racemobambos prainii* (Gamble) P. C. Keng & T. H. Wen; *Thamnocalamus prainii* (Gamble) E. G. Camus.

Culms scrambling, 6–20 m, 5–25 mm in diam.; nodes level; internodes 20–50 cm, solid or nearly so on smaller culms, glabrous. Dominant branches equal in size to culm. Culm sheaths retrorsely brown scabrous, distally purple-brown spotted, lower portion very tough, upper papery and thin, margins glabrous; ligule inconspicuous, auricles and oral setae absent; blade persistent, erect, acicular, short, to ca. 1 cm. Leaf sheaths 2–4 cm, glabrous or slightly pubescent; ligule 1–1.5 mm; auricles and oral setae absent; blade lanceolate, 4–12 × 0.5–2 cm, apex softly acicular. Spikelets 3–6-flowered, 2–3.5 cm; prophylls to 0.5 cm. Lemma 5–7 mm; palea equal to lemma, obtuse; lodicules 1.5–2 mm. Anthers purple, 3–4 mm. Ovary oblong, upper portion pubescent; style short; stigma plumose. Caryopsis falcate, 4–5 mm, glabrous. Fl. Apr–Jun.

Mountain forests, river banks, rocks; 1200–2600 m. S Xizang, W Yunnan [India (Meghalaya), Myanmar].

**2. *Neomicrocalamus yunnanensis*** (T. H. Wen) Ohrnberger, Bamboos World Introd. 4: 19. 1997.

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*Racemobambos yunnanensis* T. H. Wen, J. Bamboo Res. 5(2): 11. 1986.

Culms scrambling, 6–15 m, 5–10 mm in diam.; internodes 20–60 cm, smaller culms solid or nearly so, white pubescent, densely so below corky nodes. Dominant branches equal in size to culm. Culm sheaths brown scabrous, distally purple-brown spotted, lower portion very tough, upper papery and thin, margins glabrous; ligule inconspicuous, auricles and oral setae absent; blade persistent, erect, acicular, short, ca. 1 cm. Leaf sheaths slightly pubescent, margins ciliate; ligule 1–1.5 mm; auricles absent; oral setae erect to spreading, short; blade lanceolate, 4–7 × 0.8–1.3 cm, glabrous, without tessellation. Flowers unknown.

• S Yunnan (Jinping).

Flora of China 22: 57. 2006.