

New species and records of *Iguanura* (*Palmae*) from Sarawak and Thailand

RUTH KIEW*

Summary. *Iguanura curvata* and *I. chaiana* are described as new species and *I. borneensis* listed as a new record for Sarawak; *I. polymorpha* and *I. wallichiana* are listed as new records for Thailand.

SARAWAK

Iguanura curvata Kiew sp. nov. ab *I. corniculata* Becc. et *I. polymorpha* Becc. fructo porcato differt; ab *I. myochodoides* Kiew fructu curvato distinguitur. Typus: Borneo, Sarawak, Ashton S17623 (holotypus K).

Palma caespitosa, inflorescentia ramosa, rachillis longis; fructus porcatus, elongatus, ad apicem curvatus, 1.4 cm longus, 5–6 mm basi latus, apice 3 mm latus.

Caespitose palm with stem 1.5–3.5 m tall and 1.5 cm diam.; internodes 2.5 cm long. Leaf sheath tough and fibrous, 15 cm long, very densely rusty-tomentose; petiole 40–47 cm long; lamina 36–54 cm long with 3–5 pairs of pinnae; pinnae 21–28 × 2.5–8 cm, with lower veins and rachis densely rufous-hairy. Inflorescences borne among the leaves; prophyll as long as leaf sheath; second peduncular bract projecting 8 cm beyond the leaf sheath, densely brown-tomentose. Inflorescence to 49–57 cm long, with peduncle to 29 cm; rachillae 4–8 in number, 19–33 cm long, the lowermost rachillae sometimes with second-order branching. Staminate flower with calyx 1 mm long, corolla 3 mm long, ribbed; stamens with lobed anthers 1.5 mm long, tissue in the stomial region with conspicuous large raphides; pistillode columnar, 2.5 mm long. Pistillate flowers (immature) with calyx 1 mm long; corolla 2 mm long and ribbed; staminodes minute; ovary ovoid, 1.5 mm long. Fruit elongate, 1.5 cm long by 5–6 mm broad at the base, tapering to 3 mm at the apex, with 3 ribs on the dorsal side and 2 lateral ribs extending less than half way from the base of the fruit, apex curved towards the basal stylar remains; young fruit green, turning white and ripening red. Endosperm homogeneous, curved and smooth (without ribs).

BORNEO: SARAWAK. Hose Mountains, Ulu Temalad, Mujong, Balleh, Ashton S17623 (holotype K, fruit; SAR, sterile) & S17625 (K, SAR, flowers). Bintulu, Sg. Kakus, Hirano & Hotta 159 (SAR). Kapit, Bukit Raya, G. Smith S27712 (SAR). Ulu Sg. Melinau, Chai *et al.* S37566 (SAR).

No other species of *Iguanura* has curved and ribbed fruits. The Malayan *I. corniculata* Becc. and *I. polymorpha* Becc. have curved fruits which are not ribbed and both these species have trapezoid pinnae (i.e. the lateral veins diverge from the midrib towards the margin). *I. myochodoides* Kiew from Sarawak has elongate ribbed fruits but they are not curved and its inflorescence has much shorter rachillae (7–9 cm long). The specific epithet refers to the curvature of the fruit.

Accepted for publication July 1978.

* Dept. of Biology, Agricultural University of Malaysia, Serdang, Selangor, Malaysia.