

A New Species of *Barringtonia* (Lecythidaceae) From Peninsular Malaysia

P. Chantaranothai

Department of Biology, Faculty of Science, Khon Kaen University, Khon Kaen, Thailand

Abstract

A new species, of *Barringtonia*, *B. terengganuensis* P. Chantaranothai, is described and illustrated from Terengganu, Peninsular Malaysia.

Introduction

The genus *Barringtonia* occurs from eastern Africa to northern Australia and comprises some 56 species. In preparation for publication of the Lecythidaceae for the Flora of Thailand, I also examined material from other regions for comparison. It has revealed the existence of a previously undescribed species of *Barringtonia*.

Barringtonia terengganuensis P. Chantaranothai sp. nov.

Differt a *B. pendula* hypanthio minore, petiolis brevioribus, foliis basi cordatis vel rotundatis. Typus: Peninsular Malaysia, Terengganu, P.F. Cockburn FRI 8363 (holotypus K).

Small tree up to 6 m tall. Rachis and hypanthium pubescent. Leaves with petioles 4-5 mm long; lamina 26-28.5 × 7-7.5 cm, chartaceous, elliptic, apex acuminate, base slightly cordate or rounded, margin slightly serrate-crenulate; secondary veins 22-23 pairs, 1.4-2 cm apart. Inflorescence a terminal spike, c. 25 cm long, densely flowered, with c. 50 flowers; rachis base 2 mm in diam. tapering to 0.8 mm in diam. near apex; cataphylls 10-12 × 3-5 mm, triangular; bracteoles 0.4-1 × 0.2 mm, triangular, caducous. Flowers in bud pink; hypanthium without pedicel, funnel-shaped, quadrangular, with 4 grooved at the corner, pubescent; sepal 4, orbicular or suborbicular; petal 4, orbicular; ovary 2-locular, ovules 3-6 per locule. Fruits unknown. Fig. 1.

Peninsular Malaysia. Terengganu: Ulu Sungai Terengganu near Jaram Galong, primary forest, hillsides, alt. 600 m, 31 May 1968, P.F. Cockburn FRI 8363 (Holotype K).

Barringtonia terengganuensis is a distinct species which is closest to *B. pendula* (Griff.) Kurz. Both species have grooves at the corners of the hypanthium. It differs from *B. pendula* mainly in its smaller hypanthium, shorter petiole and slightly cordate or rounded leaf base. P.F. Cockburn FRI 8363 (K) was originally determined as *B. fusiformis* King. The leaves of *B. terengganuensis* and *B. fusiformis* are similar but the two species differ in the former having a grooved hypanthium and no pedicel.

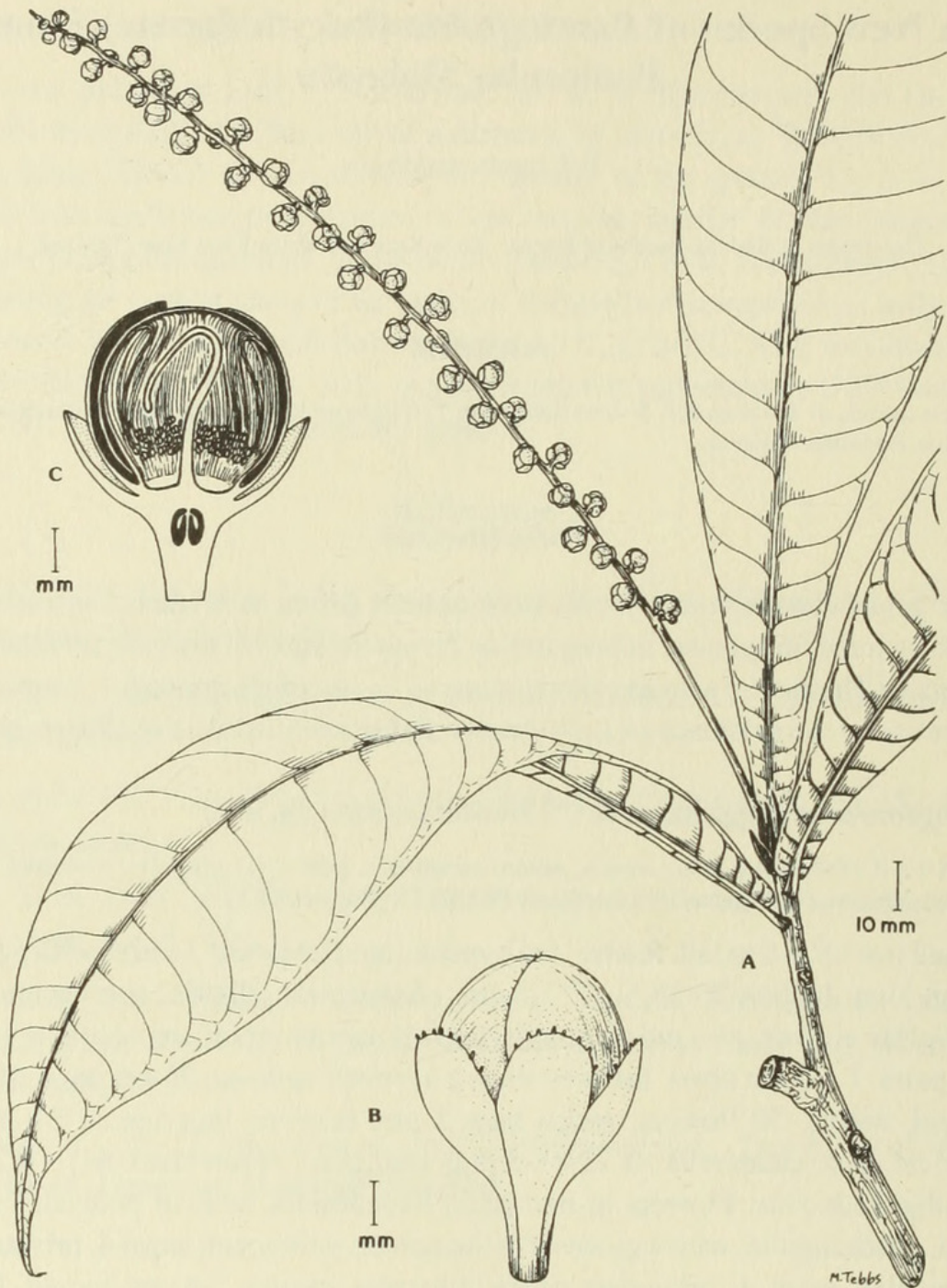


Fig. 1. *Barringtonia terengganuensis*. A. habit; B. floral bud; C. floral bud in longitudinal section. All from Cockburn FRI 8363. Drawn by M. Tebbs

Acknowledgements

I wish to thank Khon Kaen University for financing my work at the Royal Botanic Gardens, Kew (K); Assist. Prof. B. Watanakij, Assoc. Prof. Dr. L. Sanoa-muang and Dr. S. Santawanapas for encouragement; Keeper of the Kew Herbarium for the use of specimens; the late Prof. D. A. Webb and Alan Radcliffe-Smith for the Latin diagnosis; M. Tebbs for the illustration and the Programme for Biodiversity Research and Training, Thailand (TRF - NSTDA / BIOTEC) for the illustration cost.



Chantaranothai, Pranom. 1996. "A new species of *Barringtonia* (Lecythidaceae) from Peninsular Malaysia." *The Gardens' bulletin, Singapore* 48, 201–202.

View This Item Online: <https://www.biodiversitylibrary.org/item/148316>

Permalink: <https://www.biodiversitylibrary.org/partpdf/151073>

Holding Institution

Harvard University Botany Libraries

Sponsored by

BHL-SIL-FEDLINK

Copyright & Reuse

Copyright Status: In copyright. Digitized with the permission of the rights holder.

License: <http://creativecommons.org/licenses/by-nc-sa/3.0/>

Rights: <https://biodiversitylibrary.org/permissions>

This document was created from content at the **Biodiversity Heritage Library**, the world's largest open access digital library for biodiversity literature and archives. Visit BHL at <https://www.biodiversitylibrary.org>.