

A NEW SPECIES OF THE GENUS *ENDIANDRA*
FROM TAIWAN

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Endiandra lanyuensis sp. nov.

Arbor, rami ramulisque teretes glabri. Folia alterna, chartacea, glabra, elliptica vel ovato-oblonga, 10-13 cm. longa, 5-7 cm. lata, apice acuta, basi obtusa vel acuta, margine integra, costa supra tenuissime sulcata plus minus impressa, subtus valde elevata, venis et venulis utraque distincte elevatis, venulis reticulatis, venis lateralibus primariis utroque latere costae 8-10, a costa angulo 45° egressis subarcuatis, petiolis 2-2.5 cm. longis, glabris intus planis vix sulcatis. Inflorescentiis paniculatis usque ad 7 cm. longis, floribus pedicellatis, pedicellis gracilibus, 3 mm. longis, perianthium campanulato-cupuliformis utrinque glabri, tubo 1 mm. longo, limbo 6-lobato, lobis late ovatis, apicibus obtusis, 1.2 mm. longis, 1.4 mm. latis. Stamina ordinis I et II spathulata, 1.1 mm. longa, intus dense tomentosa, extus tenuissime tomentosa, apice rotundata, ordinis IV subulata, dense tomentosa, stamina perfecta 3, ordinis III, dense tomentosa, paulo exserta, 2-locularia, extrorsa, apice obtusa, basi utroque latere glandulosa. Ovarium ovatum, 0.5 mm. longum, stylo 1.5 mm. longo, filiformi. Drupa oblongo-ellipsoidea, 4.5 cm. longa, 2.5 cm. in diametro, sicco nigricante.

A medium-sized tree about 30 cm. in diameter, branchlets terete, longitudinally rugose, glabrous. Leaves alternate, chartaceous, glabrous; lamina elliptic or ovate-oblong, 10-13 cm. long, 5-7 cm. wide, acute at the apex, obtuse or acute at the base, the margine entire, the midrib slightly impressed above, prominently elevated below, the veins and veinlets elevated on both surfaces, the reticulations of the veinlets evident, the lateral veins 8-10 paired, arcuate-ascending, spreading from the midrib at an angles of 45°; petioles about 2.5 cm. long, furrowed above. Inflorescences of axillary panicles, arranging near the top of shoots, glabrous, black in color when dried, the peduncle 7 cm. long, the pedicel 3 mm. long, rather slender, the bracts minute; perianth-tube campanulate, the limb 6-lobed, the lobes in 2 whorls, coriaceous, glabrous, broadly ovate and obtuse at the apex, 1.2 mm. long, 1.4 mm. wide; androecium in 4 orders of 3 each, adnate

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to perianth tube, those of the outer and innermost orders reduced to staminodia, the staminodia of the 2 outer orders spatulate, 1.1 mm. long, densely tomentose on the upper part of inner side, somewhat pubescent of outer side, staminodia of the 4th order subulate, densely tomentose, perfect stamens 3, all of the 3rd order, densely tomentose, extrorsely, 2-locular, 1.3 mm. long, with sessile glands at their bases; ovary ovate, partly immersed in the perianth-tube, style 1.5 mm. long, filiform. Fruits oblong, 4.5 cm long, 2.5 cm. in diameter, seated on the thickened pedicels, pedicels 3 cm. long, 9 mm. in diameter, bright red when ripe. Seed large with straight embryo.

Habitat: Ao-pên Shan, Lanyu, Taitung Hsien, Ching-en Chang 3106, August 14, 1962, altitude about 400 m.

Distribution: Endemic

The species is distinguished by its small flowers bearing the prominent staminodia of the 2 outer orders, the quite large fruits resting on the thickened pedicels, and the lax reticulate papery leaves.

The type of the new species herein described are deposited in the Herbarium of the Department of Forestry, Taiwan Provincial Institute of Agriculture, with isotype in the Herbarium of the Taiwan Forest Research Institute.

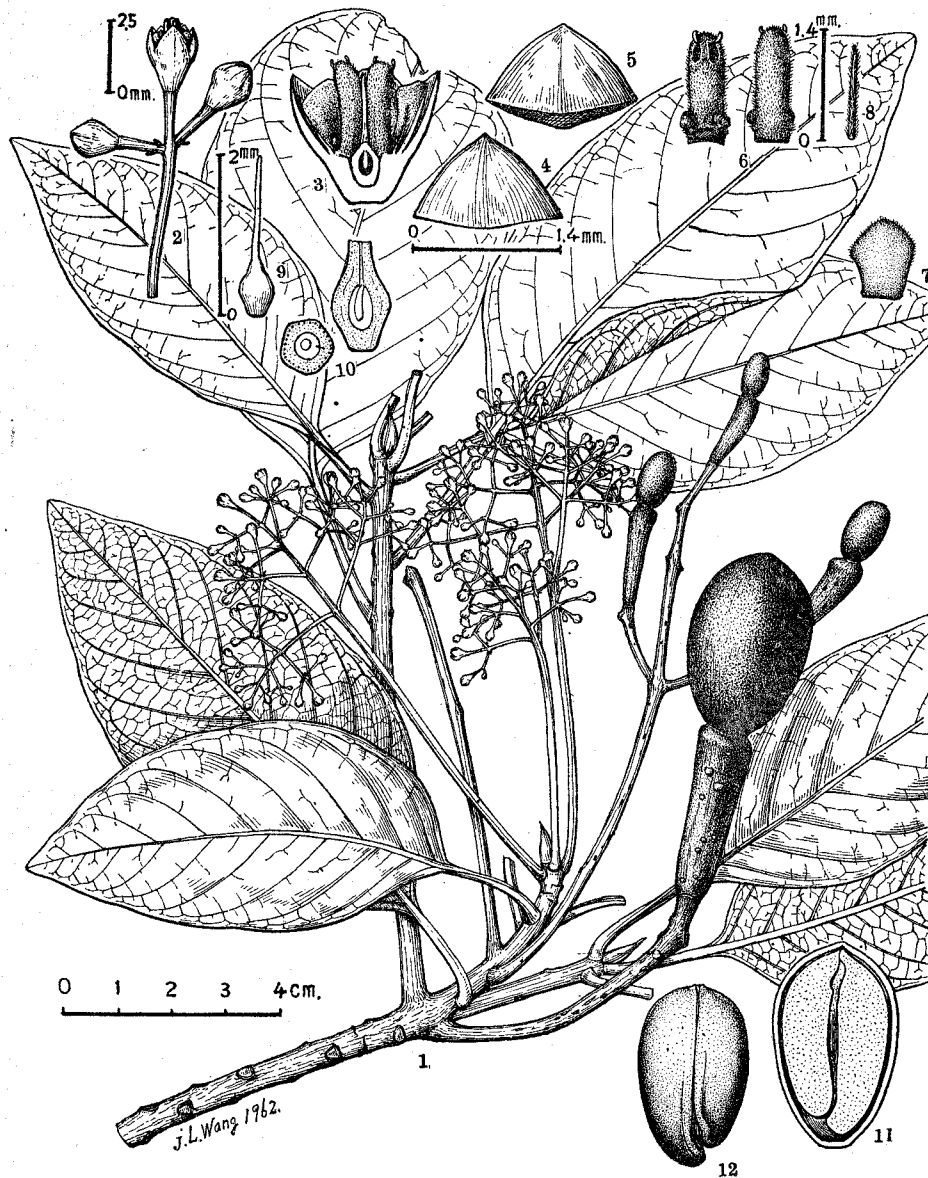
Acknowledgments

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臺灣產三蕊楠屬一新種

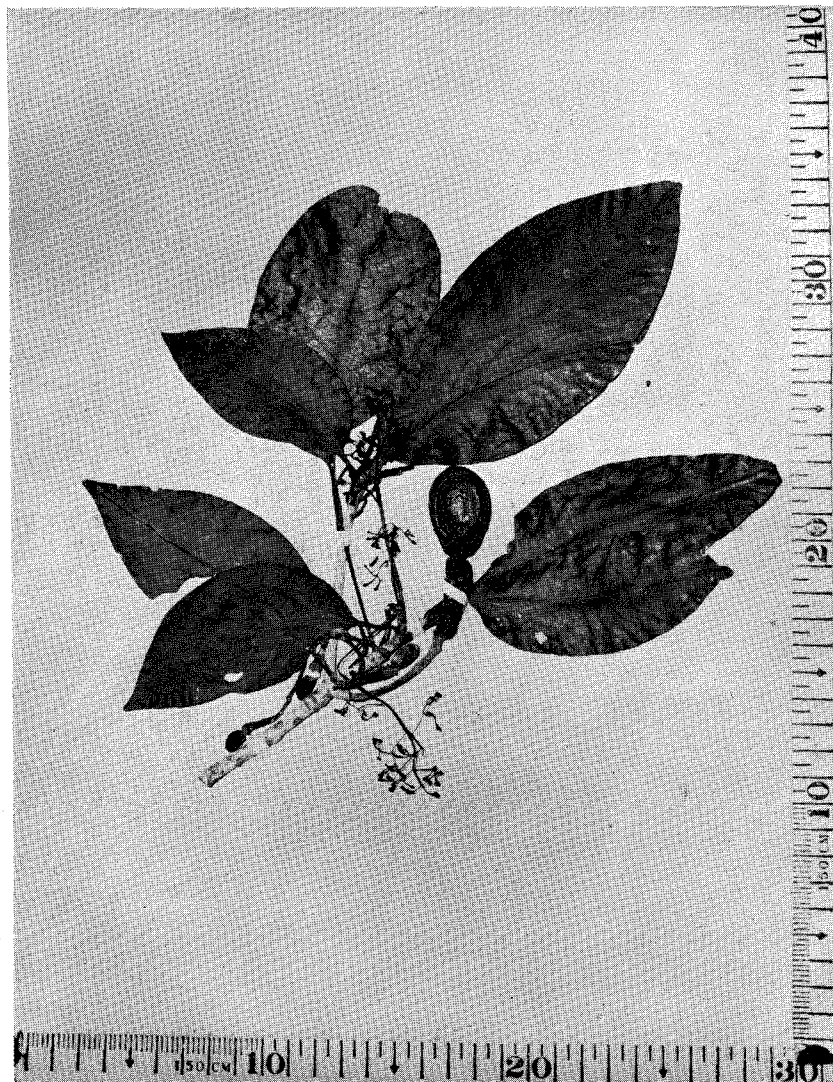
張慶恩

此一新種標本，採自臺東縣蘭嶼海拔四百公尺左右之山區，其特徵為花中具有顯著的第一，二輪假雄蕊；果實大形，下着有鮮紅色之果托；葉質薄，網狀脈較為疏開。(摘要)



Endiandra lanyuensis sp. nov.

1. A branch of the plant.
2. A portion of the inflorescence.
3. A flower in vertical section.
4. A calyx-lobe.
5. Another form of the calyx-lobe with a truncate base.
6. A stamen, seen from within and without.
7. An outer staminode.
8. An innermost staminode.
9. A pistil.
10. An ovary in vertical and cross section.
11. A fruit in vertical section.
12. The same, pericarp taken off.



Endiandra lanyuensis sp. nov. (Type)