

Phlegmariurus lockyeri

Family:

Lycopodiaceae

Botanical name

Phlegmariurus lockyeri (D.L.Jones & B.Gray) A.R.Field & Bostock

Link to Australian Plant Name Index for publication details and synonyms:

<https://id.biodiversity.org.au/name/apni/242306>

Common name:

Lockyer's Tassel-Fern

Description

Epiphytic or lithophytic plants. Branches tufted, at first erect, but becoming pendulous, branching 1–4 times in the distal half, to 40 (–70) cm long, sometimes rooting at tips. Leaves arranged in 6 rows in alternating whorls of 3, spreading, angled at 60–80° to axis, thin but firm, narrowly ovate to lanceolate, acute to attenuate, entire, 9–14 mm long, 2.5–5 mm wide, dark green, shining at least when dry. Transition from sterile to sporogenous zone gradual. Sporogenous zone 4–8 cm long. Sporophylls imbricate, lanceolate, attenuate, entire, keeled, angled at 35–40° to axis, 5–7 mm long, c. 2 mm wide. Sporangia one-quarter of the sporophyll length.

Distribution

Endemic to NE QLD between the Windsor Tableland and Kirrama Range, usually above 800 m.

Habit and habitat

A canopy epiphyte or lithophyte in montane rainforest.

Natural history

Named after forester Reg Lockyer who collected some of the earliest specimens.

Cultivation

Best cultivated in a hanging container of coarse free draining mix in a cool tropical fernery.

Similar species

Can be distinguished from *Phlegmariurus tetrastichoides* by having flat non-keeled lycophylls.

Citation of Australian Tropical Ferns and Lycophytes

Field AR, Quinn CJ, Zich FA (2022) Australian Tropical Ferns and Lycophytes. apps.lucidcentral.org/fern/text/intro/index.htm (accessed online INSERT DATE).

Field AR, Quinn CJ, Zich FA (2022) '*Platyserium superbum*', in Australian Tropical Ferns and Lycophytes. apps.lucidcentral.org/fern/text/entities/platyserium_superbum.htm (accessed online INSERT DATE).



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