

Dissiliaria F. Muell. ex Benth.
(P. & H. 53)

Dissiliaria laxinervis Airy Shaw, sp. nov.

D. baloghioidi F. Muell. ex Benth. affinis, sed nervatione foliorum laxo subtus manifeste elevato distincta.
TYPUS: Queensland, Hyland 2578 RFK (K, holotypus).

Arbor usque 25 m alta, anteridifera, fere glaberrima, ramulis junioribus laevibus vetustioribus lenticellis crebris ellipticis pustulosis. *Folia* opposita vel terna, elliptica vel late elliptica, usque 18 x 7 cm, basi cuneata vel (*L.S. Smith 14372*) rotundata, apice aut pariter angustata aut subrotundata, ipso apice semper obtuso, margine integro saepe undulato, coriacea, laevia, nitida, glaberrima, siccitate aut viridula aut (*Smith 14372*) brunnea; costa gracilis, utrinque prominens; nervi laterales gracillimi, 5-8-jugi, acute adscendentes, parum curvati, diffuse anastomosantes, supra immersi vel vix prominuli, subtus argute elevati; nervi minores laxe reticulati, supra obscuri, subtus permanifesti; petiolus 5-8 mm longus, glaber; stipulae interpetiolares, triangulares vel ellipticae 2-9 x 2-5 mm, acutae vel obtusae, caducae; alabastra axillaria parva, globosa, dense ferrugineo-tomentella. *Flores* et ♂ et ♀ ignoti. *Capsulae* in axillis per 1-4 fasciculatim gestae, pedicellis 1.5-4.5 cm longis rigidis sicut ramuli lenticellosis, subglobosae, 1.5 cm diametro, pericarpio crassiusculo ab endocarpio solubili tenuiter ochraceo-velutino. *Semina* (immatura) applanata, semi-orbicularia, 8 x 5 mm, laevissima, nitida, saturate castanea.

QUEENSLAND. *Cook District* — Claudie River, 12° 45' S., 143° 15' E., gallery rain-forest, alt. 80 m, tree 60 cm d.b.h., with a coarsely flaky bark, red heartwood and conspicuous buttresses, 29.vi.1972, *Hyland 2578* RFK (type); *Ibid.*, rain-forest, alt. 60 m, tree 25 m x 60 cm d.b.h., with a flaky bark and pink blaze, 22.ix.1976, *Hyland 9028*; *Gap Creek*, 15° 45' S., 145° 10' E., granite wash, alt. 30 m, 18.v.1969, *L.S. Smith 14372*; *Ibid.*, 12 km N. of Aylton on Cooktown road, roadside remnant of lowland rain-forest, 15° 50' S., 145° 20' E., small tree, 4 m, fruit yellow-green with rusty tomentum, 23.vi.1973, *Blaxell 1170*.

This species is manifestly distinct from *D. baloghioides* in the lax venation of the leaves, which is sharply elevated on the lower surface. If further collections confirm the distinctness of the form from *Gap Creek*, with a rounded leaf-base, drying brown, it may deserve taxonomic recognition.

Choriceras Baill.
(P. & H. 53/a)

Choriceras majus Airy Shaw, sp. nov.

A *C. tricorni* (Benth.) Airy Shaw foliis multo majoribus et praesertim latoribus fere integris facile distinctum. TYPUS: Queensland, *Hyland 9365* (K, holotypus; QRS, isotypus).

Arbor parva, ramulis teretibus 1-4 mm crassis, cortice pallido glabro, novellis minute adpresse puberulis. *Folia* opposita, ovata vel late elliptica, 7-14 cm longa, 3-7 cm lata, basi late cuneata usque rotundata, apice breviter subacuminata vel cuspidata vel raro rotundata, ipso apice obtuso rarius subacuto, margine integro vel obscurissime sinuato-denticulato anguste reflexo vel revoluto, chartacea vel vix tenuiter coriacea, laevia, opaca vel vix nitidula, utrinque primum minute dissite adpresse puberula, supra mox subtus tarde glabrescentia, superficie superiore sub lente minute granulata; costa mediocris, subtus prominens, supra latiuscule prominula; nervi laterales gracillimi, 8-10-jugi, patuli, utrinque inconspicue prominuli, prope marginem diffuse anastomosantes; nervi minores valde inconspicui; petiolus 7-10 mm longus, 1-2 mm crassus, primum minute puberulus, demum glabrescens; stipulae ad lineam transversam prominulam redactae. *Inflorescentiae* ♂ axillares (verosimiliter cymae congestae), multiflorae, perulis parvis convexis puberulis numerosis suffultae. *Pedicelli* filiformes, usque fere 1 cm longi, glabri. *Tepala* 5-6, obovata vel suborbicularia, 1.5-2 mm diametro, valde convexa, hyalino-membranacea, crenea, medio fusca. *Stamina* 5-6, 1-1.5 mm longa, e margine receptaculi exorta, antheris late ellipsoideis, receptaculo centrali elevato hemisphaerico spongioso longe piloso. *Pistilodidium* nullum. *Inflorescentiae* ♀ axillares, plerumque biflorae, axi primaria gracili 3-12 mm longa minute puberula apice flores 2 oppositos bracteis subulatis 1.5 mm longis suffultos gerente. *Pedicelli* rhachi primaria crassiores, 3-4 mm longi, minutissime

puberuli. *Tepala* 3 + 3, ovario arcte adpressa: exteriora late ovata, 1.5-2 mm longa et lata, acuta, carinata, hyalino-herbacea, minute puberula, margine erosula; interiora multo minor, suborbicularia vel anguste ovata, vix 1 mm longa, apice obtuso vel rotundato. *Ovarium* (anthesi jam peracta) profunde tricoccum, 3.5-4 mm longum et latum, minute adpresse puberulum, loculis ovoideis dimidio inferiore tantum connatis superne liberis cornutis in stigmata conspicua uncinata desinentibus. *Fructus* ignotus.

QUEENSLAND. *Cook District* — Portion 62 Alexandra, 16° 10' S., 145° 25' E., rain-forest, alt. 5 m, small tree with cream flowers [♂]; young leaves red, 19.xii.1972, *Hyland 6612*; T.R. 165, Pieter Botte L.A., 16° 06' S., 145° 23' E., rain-forest, alt. 450 m, small tree overhanging the creek, flowers [♀] cream, flowers in F.A.A., 1.vi.1977, *Hyland 9365* (type).

This is a rain-forest counterpart of the closely related *A. tricorne*, a locally common species of sandy heaths, savanna forest, monsoon forest, etc., in the Northern Territory, north-east Queensland (S. to Rockingham Bay), and southern Papua. The only tangible differences between the two are the much greater size, and especially breadth, and practically obsolete tooting of the leaves. In floral characters they seem almost indistinguishable.

The foliage of *C. majus* bears an uncanny resemblance to that of certain species of *Palmeria* (Monimiaceae). The only certain point of distinction that I have found is the absence of minute translucent oil-dots in the leaves of the *Choriceras* when viewed by powerful transmitted light.

Cleistanthus Hook.f.
(P. & H. 63)

Cleistanthus myrianthus (Hassk.) Kurz. See *Kew Bull.* 31: 378 (1976).

QUEENSLAND. (modern collections). *Cook District* — Bailey's Creek, north of Daintree River, rainfall 125" annual average, 1962, *L.S. Smith & Tracey 6513* (BRI); Range just N. of the Daintree River, 16° 30' S., 145° 30' E., 11.x.1967, *Hyland 1087* (BRI); Roaring Meg, 16° S., 145° 15' E., 16.iv.1969, *Hyland 2218* (BRI); Half mile [0.8 km] W. of Cedar Bay, Bloomfield River area, rainfall estimated 1800 mm per annum, alt. 20 m, v.1969, *Webb & Tracey 8985* (BRI); Oliver Creek, a tributary of Noah Creek, 16° 06' S., 145° 27' E., alt. under 100 m, 21.viii.1972, *Webb & Tracey 10883* (BRI); Portion 62 Alexandra (Noah Creek), 16° 10' S., 145° 25' E., rain-forest, alt. 4 m, small tree 7 m tall, 10.v.1973, *Hyland 6724* (BRI); T.R. 146, Fritz L.A. (Gap Creek), 15° 45' S., 145° 20' E., rain-forest, 25.vii.1973, alt. 60 m, small tree with reddish fruits, *Hyland 6781* (BRI).

This common Malesian species appears to be confined in Australia to a relatively small area south of Cooktown.

Cleistanthus dallachyanus (Baill.) Baill. ex Benth., *Fl. Austr.* 6: 122 (1873); Bailey, *Queensl. Fl.* 5: 1412 (1902); Jabl. in Engler, *Pflanzenreich* IV. 147. viii: 36 (1915).

Amanoa dallachyana Baill. in *Adansonia* 6: 335 (1866). Syntypes: Rockhampton, 1862-63, *Dallachy 17* (MEL); *Thozet 337* (MEL); Mount Mueller & Port Denison, n.d., *Dallachy s.n.* (MEL).

QUEENSLAND. *Cook District* — New Holland, Endeavour River, 1770, *Banks & Solander* (MEL). *North Kennedy District* — Whitsunday Group, Hook Island, leaves stiff, dark green, pointed oval; flowers in small sprays, greenish yellow, small stars; buds velvety brown, viii.1971, *S. Webster s.n.* (BRI). *South Kennedy District* — Sarina, in rain-forest on river-bank in dark grey loam, alt. 15 m, tree about 6 m high, 14.i.1931, *Hubbard & Winders 6509* (BRI).

The above records, taken together with the earlier ones from Rockhampton, the Herbert River, Northumberland and Cumberland Islands, suggest a preference for coastal or estuarine situations.

Cleistanthus xerophilus Domin. See *Kew Bull.* 31: 381 (1976).

QUEENSLAND. *Cook District* — Upper Massey Creek, in riverine rain-forest, 24 km a little S. of ENE of Coen, alt. 105 m, 11.x.1962, *L.S. Smith 11772* (BRI); 2.5 km SE of Coen, on Port Stewart road, around rocky gully in hills, alt. 225 m, small tree 6 m high, 16.x.1962, *L.S. Smith 11947* (BRI); Coen, in deciduous vine thickets on granite outcrops, 1962, *Webb & Tracey 8017* (BRI); Nolan Creek, 16° 50' S., 144° 10' E., on the bank of an ephemeral creek in open riparian eucalypt forest, alt. 230 m, small shrubby tree 4-5 m tall, fruit green, 26.xii.1974, *Hyland 7926* (BRI); *Ibid.*, 20.ii.1975, *Hyland 8051* (BRI); Maytown Road (SW of Coktown), shrub to 3 m, 5.xi.1947, *S.E. Stephens* in *N. Qld. Nats. Club 11830* (BRI).