

**A NEW SPECIES OF TRISTIOPSIS (SAPINDACEAE)
FROM NEW GUINEA**

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***Tristiopsis apetala* Leenh., nov. sp.**

Arbor 8 m alta, trunco 26 cm diam. Ramuli ignoti. *Folia* certe 1,5 m longa, glabra; petiolus teres, canaliculatus, 36 cm longus, 1,25 cm crassus; rhachis teres, supra graciliter costata; rhaches secundariae alternantes; petioluli 1—4 mm longi, supra fossa lata plana instructi, basi dilatati. *Foliola* ca. 18 cm longa, 7,5 cm lata, ovata, pergamentacea; basis dimidio basiscopico angusto acuta, dimidio acroscopico lato rotundata, attenuata; apex gradatim acuminatus acumini brevi cuneato acuto; costa supra prominula gracilis; nervi secundarii ca. 1—1,75 cm distantes, a costa angulo ca. 55—65° abeuntes, subrecti usque subcurvati, ante marginem haud connati, utrinque subprominentes; venae intercalares inconspicuae. *Thyrsi* ca. 30 cm longi, rhachide ramisque sparse, ramulis dense puberulis, pedunculo 3 cm longo basi vix tumido; cymulae sessiles vel breve pedunculatae; pedicelli tenues, 0,75—2,5 mm longi. *Sepala* flava, late ovata, crenulata, utrinque breve sericea, externa 3 mm longa 3,5 mm lata, interna 3,5 mm longa 4 mm lata. *Petala* nulla. *Discus* latus applanatus basi sepalorum adnatus glaber. *Stamina* 8 vix exserta; filamentum basi applanatum, 3,5 mm longum, sparse lanatum; anthera 1,75 mm longa, basi per 20—25% emarginata, apice haud glandulifera, connectivo thecisque subdense lanata. *Pistillodium* didyimum. *Fructus* ignotus.

T y p u s: *P. Katik LAE 62105*, New Guinea, Madang Dist., Gogol. R., 5°15' S 145°45' E, 19—6—1974, ♂ fl. (L).

Tree 8 m high by 26 cm d.b.h. Twigs unknown. *Leaves* at least *c.* 1.5 m long, glabrous; petiole terete, canaliculate, 36 cm long, 1.25 cm thick; rachis terete, on the upper side with a slender rib; pinnae alternate; petiolules 1—4 mm long, above with a broad and flat groove, broadened at base. *Leaflets* *c.* 18 × 7.5 cm, widest below the middle, pergamentaceous, glabrous; base acute at the narrow basiscopic side, rounded at the broad acroscopie side, attenuate; apex tapering to a short, cuneate, acute acumen; midrib above prominulous, slender; nerves *c.* 1—1.75 cm distant, angle to midrib 55—65°, nearly straight to slightly curved, ending free, faint at both sides; intercalated veins common but not reaching more than halfway the margin. *Thyrsus* *c.* 30 cm long, thinly minutely hairy, only the ultimate branches more densely so; peduncle hardly or not swollen at base, 3 cm long; cymules sessile or sometimes with a stalk up to 2 mm long; pedicels slender, 0.75—2.5 mm long. *Sepals* yellow, broad-ovate, outer 3 × 3.5 mm, inner 3.5 × 4 mm, margin thin, slightly crenulate, out- and inside all over densely appressedly short-hairy. No *petals*. *Disk* broad, flat, adnate to the base of the sepals, glabrous. *Stamens* 8, slightly exserted; filament flattened in the basal part, 3.5 mm long, sparsely woolly all over; anther 1.75 mm long, at base cleft for 20—25%, the apex without a distinct gland, connective as well as thecae fairly densely woolly. *Pistillode* 2-merous. *Fruit* unknown.

D i s t r i b u t i o n: Known from the type only.

E c o l o g y: Rain forest at 90 m alt.

N o t e s . The present species is unique in the genus in the lack of petals and in the 2-merous pistil. Moreover, it differs from *T. acutangula*, the species it resembles most, in the sepals being as densely hairy inside as outside. The apetalous flowers with a broad and flat disk represent a situation that is known from other Sapindaceous genera, like *Glenniea* (Leenhouts, *Blumea* 21, 1973: 91—103; 22, 1975: 411—414) and *Mischocarpus* (v. d. Ham, *Blumea* 23, 1977: 251—288).