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TWO NEW CHRYSOBALANACEAE OF EASTERN NEW GUINEA

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ABSTRACT

Hunga fusivarpa Kosterm. and *Pavinari prancei* Kosterm., from Milne Bay Distr., Papua-New Guinea are described as new species.

ABSTRAK

Hunga fusicarpa Kosterm. dan *Parinari prancei* Kosterm., dari daerah Milne Bay di Papua Nugini dipertelakan sebagai jenis baru.

***Hunga fusicarpa* Kosterm., spec. nov.**

Arbor mediocris ramulis gracilibus griseis nitidis subglabris, stipulis ignotis, foliis rigide chartaceis glabris oblongis vel ellipticis obscure breve acuminatis basi cuneatis in petiolum brevissimum decurrentibus, utrinque nitidis supra dense reticulatis nervo mediano prominentibus subtus laxe reticulatis, inflorescentiis axillaribus et terminalibus, dense minutissime hirtellis paucifloris multibracte atis, tubus infundibuliformibus, tepalibus anguste subtriangularibus explanatis, filamentis brevis basin versus in anulum connatis, fructus fusiformis breve adpresse acuminatis basi elegantissime obconicis, intus dense lanug-inosis, uni semen unicum.

Typus: *Buderus* NGF 24059 (L).

Tree 7 m tall, bole 5 m, diam. 10 cm. Bark brown, smooth, inner bark red. Wood straw, hard. Branchlets slender, grey, glossy, young shoots apically with a lax indumentum of microscopic, thin hairs. Stipules not seen. Leaves stiffly chartaceous to sub-coriaceous, glabrous, both sides glossy, oblong to elliptic, 2 x 5 — 4.5 X 10 cm, rather obscurely shortly acuminate, base cuneate, decurrent into the ca 3 mm long (concave above) petiole, above midrib strongly prominent, densely reticulate, below much less densely reticulate, the ca 7 pairs of erect-patent lateral nerves faint. Inflorescences axillary and terminal, few-flowered, slender, up to 3 cm long, densely, minutely hirtellous, bracts numerous persistent. Pedicel 2—3 mm, obconical, merging into the trumpet like tube; lobes narrowly triangular, 1.5 mm long. Free part of stamens 0.5—0.75 mm long, the bases connate into a thin, ca 1 mm high tube.

Fruit spindle shaped, up to 15 x 45 mm; top with a 2—3 mm high, laterally flattened acumen, base with a slender, circa 1 cm long, obconical neck. Exocarp thin, fleshy: endocarp hard, horney, marbled, inside with a thick layer of woolly reddish hairs. Cells one, seed flat, biconvex, ruminant.

DISTRIBUTION: coastal forest. Morobe Distr., Ferguson Isl., Milne Bay Distr.

Flower characters are described after remnants below the fruit.

PAPUA-NEW GUINEA: Milne Bay Distr., Ferguson Isl., Selomo, Oct. XI, fr., *NGF 2405!* (A, BR1, CAN.B, K, L); Morobe Distr., Waiu Bay, coastal rainforest, Aug., fr, *NGF 15630* (A, BO, BRI, OANB, K, L, SING).

Parinari prancei Kosterm., *spec. nov.*

Arbor ramulis dense ferrugineo lanuginosis, foliis rigide subcoriaceis ellipticis magnis brevissime late acuminatis basi obtusis juvenilibus trinque dense minutissime ferrugineo-lanuginosis, adultis supra glabris nitidis nervo mediano et nervis lateralibus subimpressis nervis secundariis parallelis prominulis, subtus areolatis adpresse sublanuginosis, nervo mediano valde prominentibus, costis subpatentibus prominentibus, venis secundariis conspicuis connectis, petiolis brevis dense lanuginosis, inflorescentiis axillaribus, subracemiformibus, paucifloris, dense minutissime ferrugineo lanuginosis, tubus cupuliformibus, lobis triangularibus, fructus magnis griseis maculatis exocarpio tenuibus endocarpio durissimis, intus bilocellatis, seminibus unicus.

Typus: *NGF 29951* (L).

Tree, 25 m high, bole 16 m, diam. 50 cm. Bark pinkish brown, rouerhish but not scaling or flaky except down on one side, Wood light reddish brown, fibrous, very hard. Braneblets apically with a dense rusty layer of woolly, very thin hairs, intermingled with thicker, stiff, longer hairs. Leaves stiffly subcoriaceous, elliptic, 4 x 9 — 12 x 21 cm, shortly broadly apiculate, base obtuse or subtruncate, young leaves both sides with a fine woolly indumentum, adult ones above glabrous, glossy, the slender midrib and slender lateral nerves slightly impressed, secondary nerves parallel, rather obscure, prominulous, below caisson-like areolate, the areoles with a thin layer of matted thin hairs, midrib strongly prominent, lateral nerves rather patent, arcuate near the margins, ca 15 pairs, connected by conspicuous, slender, prominent, parallel secondary nerves. Petioles 10—13 mm long, densely minutely rusty lanuginose. Inflorescences axillary, racemiform, up to 3 cm long, minutely, densely sub-lanuginose, pedicel 1.5 mm long, densely sub-addressed tomentellous. Tube cup-shaped or urceolate, 3—4 mm high, 5—6 mm diam., lobes triangular, 1.5 mm long, acutish. Fruit heavy, sub-globose, laterally flattened, ca 5.5 cm diam., greyish with tiny paler dots; exocarp fleshy, ca 2 mm thick. Endocarp woody, very hard and thick, outside wavyly

deeply fissured, inside with a dense woolly layer of thin brown **hairs**; cells two, one seed abortive.

DISTRIBUTION: lowland area in Northern Diatr. and Milne Bay **Distr.** near Kokoda.

Differs from *P. nonda* by the much larger leaves, the indumentum of the branchlets, the cupular flower tube and the large **fruit**.

Named in honour of Dr. Ghillian T. Prance, the expert of **Chryso-**balanaceae.

PAPUA-NEW GUINEA: Milne Bay Dist., Kokoda, alt. 400 m, Apr., fl., *Curr 16409* (L); Northern Distr., south of Ioma, alt. 30 m, lowland damp rainforest, June, fr , *NGF 29951* (A, BO, BR1, CANB, K, L, SING, SYD, SING, US).

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