ovarium hirsutum, 5-loculare; bacca globosa, ad 8 cm. longa, 7 cm. lata; semen 2 vel 3, obovoideum, ad 4 cm. longum; area derasa late elliptica, ad 3.8 cm. longa, 1.7 cm. lata.

Tree, 5 m. high, 30 cm. diam., the branchlets rather thick, with leaves crowded at apex, densely pubescent with minute appressed brownish hairs; leaves with petioles 1-2.5 cm. long, the petioles rather slender, pubescent like the branchlets; leaf blades chartaceous, oblanceolate or oblong-elliptic, 7-21 cm. long, 7.8 cm. wide, apex acutish or obtuse, base narrowed, acute, midvein elevated beneath, sulcate with slender raised rib in center above, the primary lateral veins 9-14-pairs, elevated beneath, finely reticulate on both surfaces; minutely sericeous on lower surface at first. Pistillate flowers: axillary, fasciculate, usually 2 in axil, the pedicels up to 8 mm. long, usually recurved, pubescent with minute brownish appressed hairs; sepals 5, the outer slightly smaller, imbricate, coriaceous, ovate-orbicular, 5-6.5 mm. long, rounded at apex, glabrous within, pubescent dorsally like the pedicels; gamopetalous, the tube of corolla subtubinate or subcylindric, about 5 mm. long, glabrous; the 5 lobes erect, imbricate, obovate-elliptic, about 4 mm. long, rounded at apex, sparsely strigose dorsally; stamens 5 (staminodia-like), alternate with the corolla lobes, inserted at top of tube, about 2.5 mm. long, the abortive anthers ovate-oblong, apiculate, very minutely puberulent; staminodia inserted below level of stamens, penicillate, fully 2 mm. long, shorter than stamens; ovary and base of style hirsute with erect hairs, the style thick, glabrous above; ovary 5-loculate, with 1 ovule in each locule; fruit globose (fide Hernandez), 8 cm. long, 7 cm. wide, slightly ribbed, 2- or 3-seeded, skin orange-yellow, flesh yellow, firm, edible; seed brownish, lustrous, obovoid, up to 4 cm. long, acutish at apex; seed-scar large, elliptic, basilateral, about 3.8 cm. long, 1.7 cm. wide, covering fully a third of surface of seed.

Mexico: Varacruz, Tuxpan, May 19, 1945, Efraim Hernandez X. 693 (L.L., 'type'), cultivated tree, fruits with orange-yellow skin, flesh yellow, firm and edible, called "mante."

This cultivated fruit tree, apparently related to P. laeteviridis (Pittier) Lundell, differs from that tree in having slightly ribbed fruits, 2- or 3-seeded, the seed lustrous-brown, up to 4 cm. long, 2.5 cm. in diameter, and with large elliptic seed-scar covering nearly the full length of seed, and 1.7 cm. wide. The fruits of P. laeteviridis are 6- or 7-seeded, with ventrally compressed seed having linear seed-scar only 2.5-3 mm. wide. The flowers of P. Mante are unisexual.

The seed-scar differences are very evident in the P. campechiana (H.B.K.) Baehni, P. laeteviridis (Pittier) Lundell and P. Mante Lundell complex. The shape and size of the seed-scar appear to be correlated with the number of seed. Those species having fruit with one or few seed have broad elliptic seed-scars, those with numerous crowded seed have seed compressed ventrally with narrow linear seed-scars.

Pouteria odorata Lundell, sp. nov. — Arbor glabra; ramuli crassiusculi; folia petiolaris petiolo 1.5-2 cm. longo; lamina chartacea, obovata, oblongo-oblonga, 6-12.5 cm. longa, 2.5-5.5 cm. lata, apice subabrupte acute subacuminata, basi subcuneata, acuta, nervis lateralibus 9-12-jugis; flores 8-10, fasciculati; pedicelli ad 1.4 cm. longi; sepala 5 vel 6, imbricata,
parce sericea, ovato-elliptica, 4–4.5 mm. longa, apice rotundata; gamopetala; corolla ca. 8 mm. longa, tubo campanulato, 2.5–3 mm. longo, glabro; lobis trilobatis; staminodia late ovata, 3.5–4 mm. longa, intus pubescentia, apice erosa vel subfimbriata; stamina glabra; filamenta 3.5–4 mm. longa, crassa; antherae lanceolatae, ca. 2 mm. longae; ovarium glabrum, 5-loculare; fructus ovoideus vel ellipsoides, ca. 2 cm. longus; area derasa late elliptica; endosperma nulla.

Tree, about 22 m. tall, 45 cm. diam., unarmed; branchlets rather stout, glabrous, blackish with age; leaves at apex of branchlets, entirely glabrous, petiolate, the petioles rather slender, canaliculate, 1.4–2 cm. long, drying blackish; leaf blades chartaceous, paler beneath, obovate, oblanceolate or oblong, 6–12.5 cm. long, 2.5–5.5 cm. wide, apex subabruptly acuminate, the acumen up to 1 cm. long, acute, base subcuneate, acute, decurrent on the petiole, the midvein elevated beneath, nearly plane above, the primary lateral veins slender, 9–12-pairs, arately ascending at a wide angle, finely reticulate-veined on both surfaces, the upper surface shiny; flowers fasciculate in the leaf axils and at nodes below the leaves, with mostly 8 to 10 flowers in each fascicle; pedicels of flowers glabrous, slender, up to 1.4 cm. long. thickened and rigid in fruit; sepals 5 or 6, coriaceous, strongly imbricate, the outer rather sparsely sericeous above on both surfaces, the innermost glabrous, ovate-elliptic, 4–4.5 mm. long, rounded at apex; gamopetalous, corolla about 8 mm. long; the tube campanulate, 2.5–3 mm. long, glabrous; corolla lobes 5, up to 5 mm. long, 3-lobed to middle, the central lobe elliptic, rounded at apex, up to 4 mm. long, much longer than the obliquely ovate, long acuminate lateral lobes, the lateral lobes sparsely pubescent at base within with long thin shaggy hairs; staminodia petaloid, large, broadly ovate, 3.5–4 mm. long, about 3 mm. wide at base, apex erose or subfimbriate, the staminodia thin, of same texture as corolla lobes, sparsely pubescent at base on inner surface with long finely shaggy hairs; stamens glabrous, inserted at apex of corolla tube, the filaments thick, rounded, equalling the staminodia; anthers versatile, lanceolate, about 2 mm. long, obtuse at apex; ovary and style greenish, about 5 mm. long, the ovary tapering into style, the stigma punctiform, the ovary shallowly 5-ribbed, 5-loculate, with one ovule in each locule; immature fruits ovoid or ellipsoid, about 2 cm. long, tapering into the style base, sharply apiculate at apex; seed-coat thick; seed-scar lateral, broadly elliptic, covering about one-third of seed; cotyledons thick, endosperm absent.

Guatemala: Dept. Baja Verapaz, Union Barrios, in high forest on hillside, west of km. 161/162, Aug. 22, 1975, C. L. Lundell & Elias Contreras 19705 (L.L., type), tree, 75 ft. high, 18 in. diam., flowers white, fragrant, "zapotillo"; same locality, Lundell & Contreras 19711 (L.L.), tree, 70 ft. high, 15 in. diam., immature fruit green.

Except for the sparsely pubescent flowers, the species is entirely glabrous. The large thin petaloid staminodia and the prominent central lobe of the corolla lobes are conspicuous features of *P. odorata*. 