



106. LEAF AND SIMPLE SPADIX of *Geonoma condensata*. Fruit at lower left.

of Police Station, *A. G. B. Fairchild and Daniel Jobbins 2639* (type); Quebrada Lopez, *Allen 2134*.

† *Geonoma condensata*, spec. nov. Fig. 106.

Parva arbor vel frutex, 1.6 m. alta: lamina circa 1 m. longa, satis viridis, glabra, valde costata, irregulariter pinnata, includens profunde bilobatam partem terminalem et unam jugam 10-12 cm. remotam; pinnæ vel lobi 40-50 cm. longi, 6-7 cm. lati, bases latissimæ; costæ 10-12 mm. inter se distantes, 2 vel 3 tenuiores inter eas, albescentes in parte inferiore pinnæ: spadix solitaria et simplex, 12-16 cm. longa, 4 mm. crassa anthesi, condensata, glabra, granularis; pedunculus 1 m. longus, compressus; alveoli compacti, labiæ non divaricatæ: fructus oblongus, 11-12 mm. longus, obtusus apice, glaber, 6 amplificatis, angustis, pæne separatis partibus floralibus affixis cum caducus.

Tree or bush 1.6 m. tall: leaf-blade about 1 m. long, dull green, irregularly pinnate, glabrous both surfaces, lighter colored underneath; pinnæ about 2 pairs including the bilobed apical part, and a few intermediaries or shreds (as splits of pinnæ) between the separation between the two pairs being perhaps 10-12 cm. of rachis, the wide bases irregularly opposite; terminal part divided into long-acuminate lobes 40-50 cm. long and 4-6 cm. broad; each of the other pair 40-50 cm. long and 6-7 cm. long; all pinnæ and lobes very strongly many-ribbed, the main ribs whitish on under surface and 10-12 mm. apart with 2 or 3 thinner nerves between; petiole and rachis slender, glabrous, sharply ridged on upper surface: spadix a single simple condensed spike 12-16 cm. long, borne on a flattened two-edged petiole-like peduncle 1 m. long; rachilla glabrous but granular, about 4 mm. thick; alveoles close together, broad and rather high before frutescence, the lips not prominently projecting: fruit oblong, 11-12 mm. long, only slightly contracted to base, obtuse at apex, glabrous, carrying the 6 enlarged nearly separate narrow floral envelopes with it when removed and leaving a chaffy cup of 3 projecting bracts.

Isla Colon, vicinity of Chiriqui Lagoon, Province Bocas del Toro, Panama, *H. von Wedel 2972*.

† *Aiphanes fuscopubens*, spec. nov. § Brachyanthera. Fig. 107.

Arbor ad 5 m. alta, truncus tectus spinis: folia 2 m. longa, irregulariter pinnata, aliquid lucida, glabra et espinosa supra et infra; petiolus brevis, multis fuscis plano-convexis spinis 4-8 cm. longis et hirsuto-pubescentibus; pinnæ 20 vel plures in utroque latere rachidis, 15-30 cm. longæ, 10 cm. vel minus latæ apice, nonnullæ divisæ ad basim, erosæ et truncatæ apice, multi-nervatæ et sine costis mediis; rachis spinifera et fusco-pubescentis: spadix erecta; cymba angusta, aliquid aculeata; pedunculus longissimus, gracilis, aculeatus et pubescens; rachillæ simplices, 30-40 cm. longæ; flores multi, contigui, pistillati flores 4 mm. lati et 5 mm. longi, flores staminati 3 mm. diam.; petala valvata, axis rachillæ angulata, fusco-pilosa vel fusco-pubescentis.

Tree 5 m. tall, apparently not soboliferous, trunk covered with spines: leaves 2 m. long, more or less glossy; petiole short, bearing blackish plano-convex spines of different lengths some of which are 8 cm. long, and also