



129. LEAF, VERY SMALL SPADIX, LARGE CUPULE of *Chamædorea Hageniorum*.

or less continuing central axis; peduncle 25 and more cm. long, its length inclosed in striate sheaths; staminate spadix 25-30 cm. long and nearly as broad, the glabrous rachillæ 18-25 cm. long and laxly flowered; staminate flowers with broad deeply lobed lightly imbricate calyx; pistillate spadix somewhat smaller, the fertile part about 20 cm. across in either direction: fruit (immature) oblong and contracted to base, obtuse at apex, 10-12 mm. long, green in color.

Vicinity of Chiriqui Lagoon, Province Bocas del Toro, *H. von Wedel* 2275 (Mo. Bot. Gard.).

† *Chamædorea Hageniorum*, spec. nov. Fig. 129.

Parva, arboriformis, 1-1.5 m. alta, glabra, folia aliquid lucida: folia pinnata; lamina 35-40 cm. longa, 25-30 cm. lata; pinnæ alternæ, 5 vel 6 in utrisque lateribus, anguste oblongo-lanceolatae, longi-acuminatae vel alternæ, non sigmoideæ, 15-20 cm. longæ, 2-4 cm. latæ, 5 vel 7 pæne æqualibus nervis parallelis: spadix pistillata circa 3 brevium rachillarum ab apice gracilis pedunculi vaginati; sepala pistillati floris brevia, connata basi; petala multo majora, pæne vel admodum libera, imbricata, valde nervata, patula; pistillum oblongum, obtusum.

Tree-like, to 1 m. or a little more tall, glabrous, foliage more or less glossy: leaves regularly pinnate, the blade 35-40 cm. long and 25 or more cm. broad; pinnæ alternate, 5 or 6 on either side, narrowly oblong-lanceolate and gradually narrowed into slender tips, 15-20 cm. long, 2-3 cm. broad at middle or the terminal pair to 4 cm. broad, midrib not much stronger than the 2 or 3 parallel nerves on either side, all nerves converging somewhat toward base but the pinna not sigmoid; petiole 12-18 cm. long above the sheath, strongly ridged and angled as is the rachis: pistillate spadix small, of about 3 striate and angled erect glabrous rachillæ 7-8 cm. long from the top of a very slender peduncle that is inclosed tightly in about 3 sheaths of which only the uppermost has a foliaceous end; sepals of pistillate flower very short and connate at base; petals much larger, nearly or quite free, imbricate, strongly nerved, pointed, soon spreading and chaff-like; pistil after fecundation short-oblong, obtuse.

Cloud-forest at 6,500 feet on Cerro Horqueta, Boquete region of Chiriqui, Panama, *Christine and Wolfgang von Hagen* 2060 (type, Mo. Bot. Gard.). Readily distinguished by its narrowly long-pointed or almost caudate leaflets and prominent loose petals of the pistillate flower as well as by the short few branchlets of the inflorescence and lack of continuing rachis.

† *Chamædorea Wedeliana*, spec. nov. Fig. 130.

Gracillima, ad 3 m. alta: laminæ folii 40-50 cm. longæ, tenues, lætévirentes supra et infra, bilobatae apice et lobi imperfecte divisi; pinnæ alternæ, 3-9 cm. distantes inter se in rachide, lanceolatae vel lato-lanceolatae, sigmoideæ, 16-22 cm. longæ, 3-6 cm. latæ, aliquid angustatae ad basim, graciliter acuminatae, valde 4-5-costatae; petiolus 6 vel 7 cm. longus super vaginam, 3-4 mm. latus, compressus: florens spadix 5 ramis, simplex,