

plana, plus quam 6 partium; semen irregulariter planatum, circa 8 mm. diam., tessellatum; albumen omnino ruminatum.

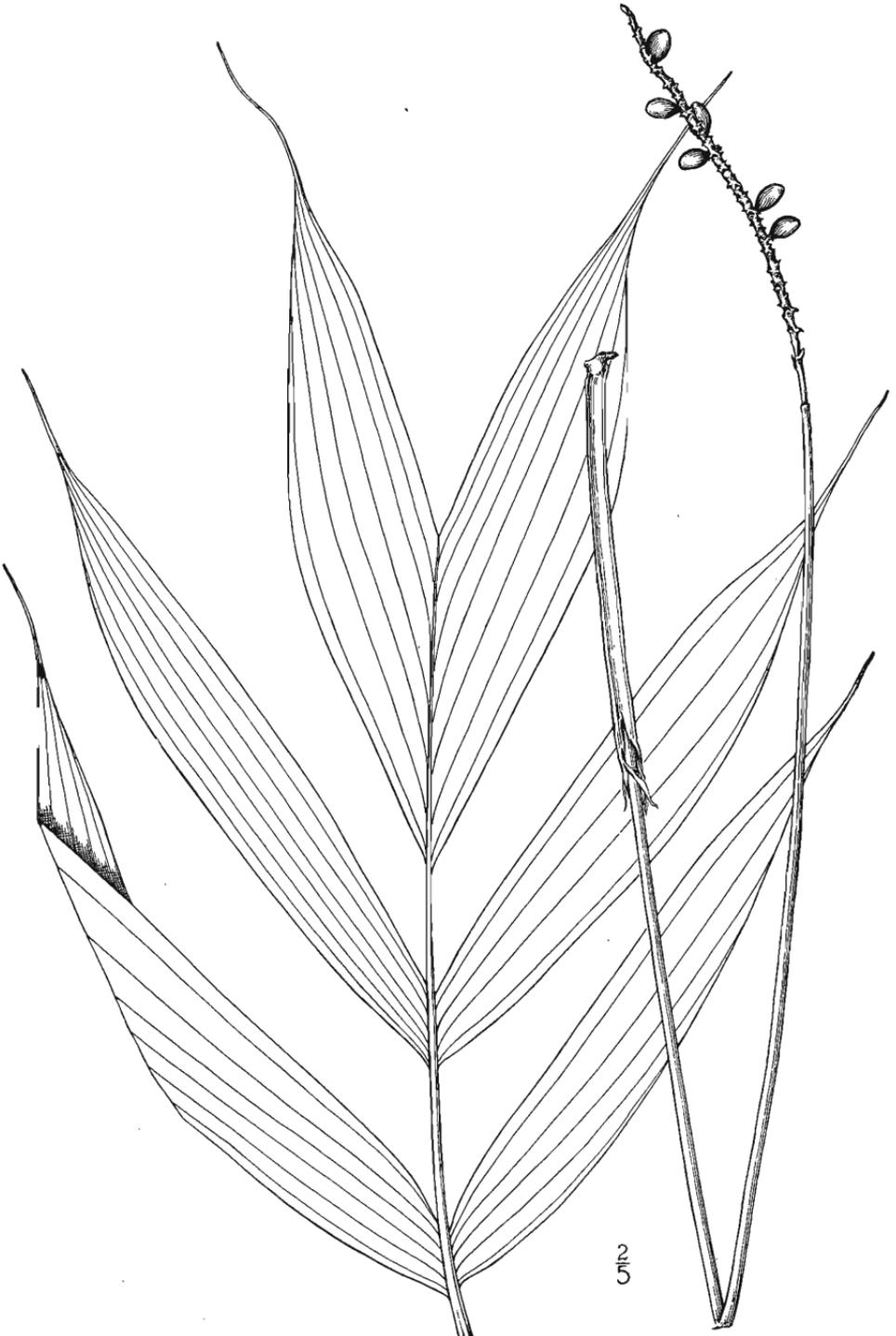
Erect small tree, 5 m. or more tall; trunk about 5 cm. diam., woody and hard, with pronounced rings about 3 cm. apart, bearing a crown of 4-8 mature pinnate leaves and devoid of a regular crownshaft; blade of main leaves nearly 2 m. long, with 70-80 subopposite pinnæ on a triangular red rachis; pinnæ at mid-leaf 60-65 cm. long, 3.5-4 or 5 cm. broad, glabrous, margins more or less thickened or ribbed, midrib prominent, side ribs markedly subordinate, long-acuminate, the lower ones essentially caudate; petiole with a split and clasping base 6-7 cm. across, nearly 1 m. long, concavo-convex in section: spadices infrafoliar, erect, close to the coma or crown of leaves, about 4 in number; spathe-valves 2, the outer about 20 cm. long, inner or main one 75-80 cm. long, 2-2.5 cm. broad before dehiscence, bearing reddish-brown furfur; peduncle of spadix red, terete but perhaps angled in drying, 25-30 cm. long, passing into a continuing rachis 30 and more cm. long; rachillæ about 25, pinkish, strongly ascending, 30-70 cm. long, glabrous, much swollen at base just as they join the rachis; flowers in shallow depressions on the rachillæ: fruit depressed-globose, black, 10 mm. high and 11-12 mm. thick, lop-sided and stigmatic point off-center, cupule of more than six parts and applied tightly to the surface; seed irregularly depressed-globular, loose inside a thin inner mesh, about 8 mm. across the long way, surface tessellate, basal scar very broad; albumen ruminatum, being filled with brown partitions that extend to the cavitous center.

Panama: vicinity of Police Station, upper Rio Pequini, Madden Lake area, Canal Zone, *A. G. B. Fairchild & Daniel Jobbins 2635* (type), communicated with notes by P. H. Allen; El Valle de Anton, Province Coclé, about 1,000 m., vicinity of La Mesa, *Allen 2740*. This makes five recognized species of the neglected genus *Prestoea*, which lacks the crownshaft of *Euterpe* and differs in floral and fruiting characters.

In the National Herbarium in Washington is a good specimen of *Prestoea*, sheet No. 618356, ticketed from Martinique, 23 Père Duss. Another sheet with only a leaf tip and indeterminable, is ticketed Guadeloupe. I do not describe the *Prestoea* attributed to Martinique. I have pieces from the wild in Guadeloupe, not sufficient for identification. I have not seen *Prestoeas* in my own collecting on the French islands.

† *Geonoma Allenii*, spec. nov. Fig. 104.

*Gracillima parva* palma 2 m. alta: folia pinnata, cinereo-viridis; lamina 25-35 cm. longa; petiolus gracillimus, 30-40 cm. longus; pinnarum 2 jugæ et terminalis profunde lobus bifidus, 20-25 cm. longus, 3-4 cm. latus, angustatus ad apicem, interdum caudatus, plus vel minus falcatus, costæ multæ 4-5 mm. inter se distantes, glabræ supra et subter: spadix simplex, glabra spica 10-14 cm. longa, bractea subtenta, pedunculus 50 cm. longus et erectus, vaginatus basi; spica 2-3 mm. crassus cum fructifera, alveoli separati in 4 lineis, labia inferior divaricata: fructus oblongo-pyriformis, 10-11 mm. longus, pæne obtusus, glaber, papillatus.



104. LEAF AND SIMPLE SPADIX of *Geonoma Allenii*.

Very slender small palm to 2 m. tall with practically evenly gray-green pinnate leaves with blade 25-35 cm. long and concavo-convex petiole of similar length: pinnæ 2 pairs and a terminal deeply bifid part, the bases broad at attachment to rachis and not always precisely opposite, length about 20-25 cm., breadth at middle 3-4 cm., long-tapering rather abruptly into a narrow end and usually (as on apical lobes) into a thread-like cauda 5-7 cm. long, veins pronounced and about 4-5 mm. apart and elevated on upper face, glabrous on both surfaces: spadix a simple slender glabrous spike 10-14 cm. long subtended by a sessile bract (upper spathe-valve) that leaves a ring when it falls, the very slender erect peduncle about 50 cm. long with glabrous striate sheathing spathe-valve at base; rachilla or spike 2-3 mm. thick at fruiting time, alveoles distinct and separate in about four rows, the narrow nearly or quite entire lower lip divaricate and prominent: fruit oblong-pyriform, 10-11 mm. long, somewhat narrowed to base, nearly obtuse at apex, glabrous, somewhat pimpled.

Hills north of El Valle de Anton, Province Coclé, 800 m. altitude, Allen 2947.

† *Geonoma costatifrons*, spec. nov. Fig. 105.

Gracilis, 3-4 m. alta, glabra: folia inæqualiter pinnata, juga terminalis interdum angustissima interdum latissima, aliæ 40-50 cm. longæ, 3-8 cm. latæ; petiolus 75 cm. longus, 5-10 mm. latus, planus subter, acutus supra; pinnæ alternæ et oppositæ, nonnullæ affixæ 10-12 cm. inter se distantes, angustatæ ad longum rectumque punctum, latæ basi, pluribus vel multis validissimis costis et sæpe inter has scindentis: spadix simplex spica 30 cm. vel plus longa, in gracillimo et erecto pedunculo longa et angusta spatha subtenta; axis spadiciis glaber, alveoli separati et distincti, labia reflexa et striata: fructus (non maturus) oblongo-pyriformis, 15-16 mm. longus, 10 mm. latus, apex obtusus, glaber, scaber cum siccus.

Slender, 3-4 m. tall, glabrous unless scurfy on petioles: leaves unequally pinnate; blade about 1 m. long; petiole 75 cm. to 1 m. long, firmly clasping for perhaps one-third its length, very slender, flattish on under side and 5-10 mm. across, sharply ridged on upper surface; pinnæ 40-50 cm. long and 3-8 cm. broad with narrower ones intervening or near the apex, alternate and opposite, about 2 or 3 main pairs aside from a terminal broad pair and sometimes terminal very narrow shred-like units, all of them with broad base from which extend several or many costæ or ribs prominent on both surfaces and yellowish underneath and between which the pinna tends to split lengthwise, all very gradually and straightly tapered to long narrow point, placement of the pinnæ often far apart on the rachis, often as much as 12 cm., so that the leaf may have an open or skeletonized look: spadix a simple spike to 30 cm. or more long on an angled glabrous peduncle two to three times as long and subtended at the base by a very long narrow leaf-like spathe; axis of spadix glabrous, the pits distinctly separated and its lower lip retrorse and striate after anthesis: fruit (yet immature although apparently about full size) oblong-pyriform, 15-17 mm. long, 10 mm. broad toward apex which is obtuse, glabrous, drying roughish.

Canal Zone region. Upper Rio Pequini, Madden Lake area, vicinity