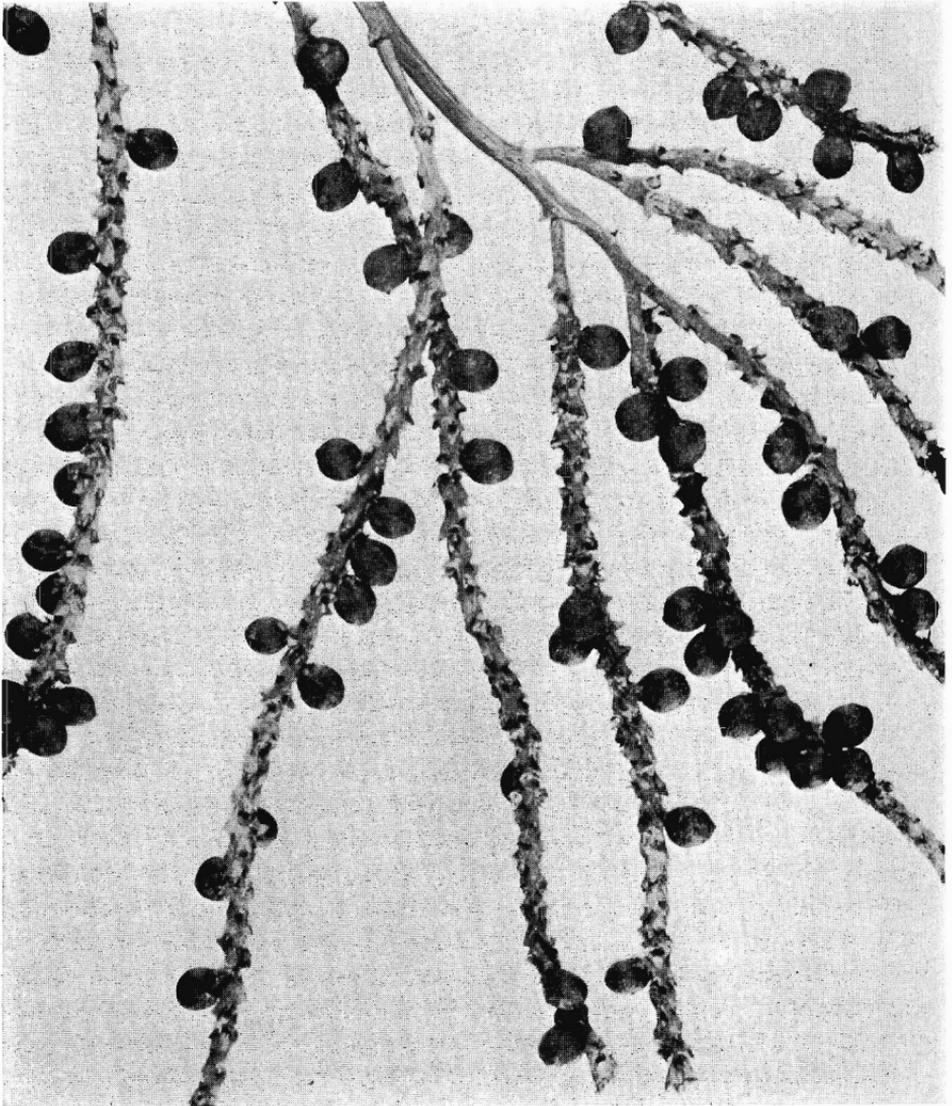


Geonoma Dussiana, Becc. in Fedde, *Repert.* xvi, 436 (1920). COCO-MACAQUE. Figs. 144, 145, 146.

G. vaga, Duss, non Grisebach & Wendl., *Flore Phaner. Antill. Franc.* (in *Ann. L'Inst. Colonial Marseille*, iii), 491 (1897).

G. undata, Burret, non Klotzsch, in *Engl. Bot. Jahrb.* lxiii, 213 (1930) as to Guadeloupe plant.

Stout soboliferous palm but often only one trunk persisting to the end in dense forests, to 8 m. tall, with aerial roots at base, conspicuous rings 3-6



147. MATURE DRY FRUITS of *Geonoma dominicana*. Dominica. Nat. size.

† *Geonoma dominicana*, spec. nov. Fig. 147.

G. pinnatifrons var. *vaga*, Burret, l. c. 246.

Arbor multo minus validus quam *G. Dussiana*, ad 7 m., truncus ad 6 cm. diam.: folium circa 6 dm. longum, tenue; pinnæ contiguæ, 4-5 dm. longæ et 1-6 cm. latæ, brevioribus bifurcatisque apicibus: spadix parvus, rami 5-16 cm. longi, 2-3 mm. crassi: fructus parvus, 5-6 mm. longus, globularis, abrupte acuminatus, niger, vix granularis vel striatus; semen liberum, circa 3 mm. diam.

Palm to 7 m. tall, trunk 6 cm. diameter: pinnæ various in width, 1-6 cm., contiguous on the axis, short, 4-5 dm. long, gradually narrowed to end but not produced into ribbon-like extremities, veins and ribs much less prominent, less numerous and strong than in *G. Dussiana* and therefore not so markedly striate, and leaves thinner and smaller: spadix small and slender; rachillæ very slender, 2-3 mm. thick when dry, to 16 cm. long, the pubescence (if any) slight and appressed: fruit small, 5-6 mm. long, globular but with a short point, black, scarcely striate; seed rather tight in exocarp but free, about 3 mm. diameter, raphe extending whole length.

Dominica. Grisebach and Wendland established *Geonoma vaga* on collections by Imray from Dominica and others from Trinidad, but the diagnosis applies only to the palm on the latter island; the Dominican species is clearly distinct and apparently unnamed as a species. My diagnosis of *G. dominicana* is drawn from Walter H. Hodge number 307, Herb.

Gray, also Herb. Bailey (type), from rain-forest on the precipitous slopes of Morne Colla Anglais, Sylvania, altitude 610-732 m., 1938.



149. SPATHE of *Geonoma martinicensis* ($\times \frac{1}{2}$), open and split.

Geonoma martinicensis, Martius, in *Palm-etum Orbignianum*, 28 (1839-1847); *Hist. Nat. Palm.* iii, 316 (1850). AILE À RAVET. COCO-MACAQUE. Figs. 148, 149, 150.

To 6 m. tall, trunks to 6 or 8 cm. diameter, ringed like a bamboo, the rings 5-8 cm. apart, several trunks or canes from one root, with aerial roots at base: leaves 1 m. or more long, thin, with very slender petiole deeply concave above and sharp-edged, glabrous, finely punctate between the veins underneath; pinnæ very irregular or diverse in width, broadest at about 10 cm. across and the slimmest less than 10 mm., length to 40 or 50 cm., main ribs on either surface about 1 cm. asunder and many fine ones between, prominently tapering into a long entire curved needle-point end: spadix in the axils of broken or fallen leaves