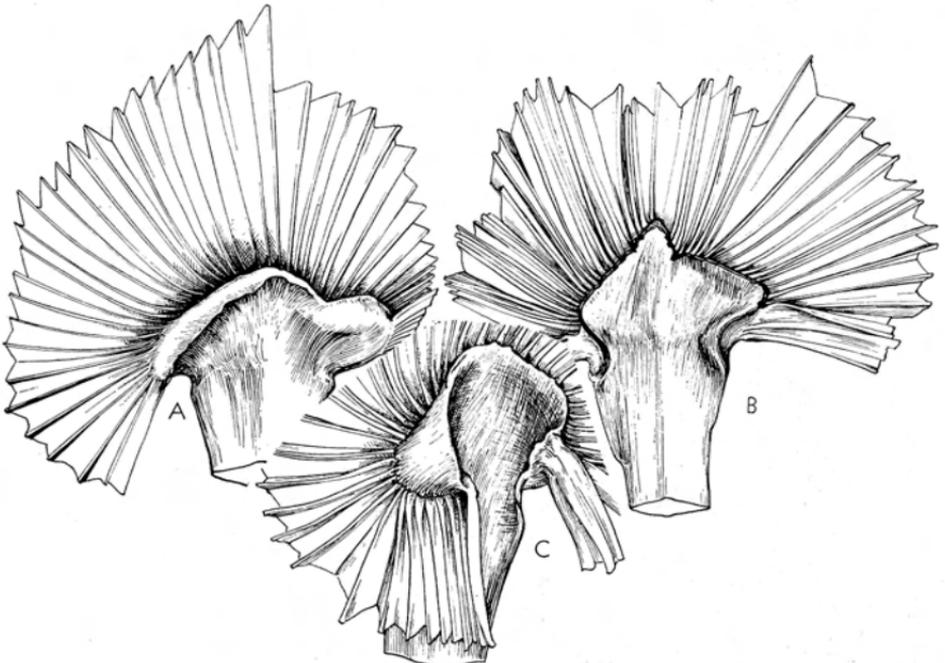


wide palman, green on upper face, very silvery underneath, glabrous, cut to two-thirds or more its depth; segments 2-4 or even 6 cm. broad at widest part, with 1 or 2 prominent ribs either side the midrib and many intermediate delicate ones under the lens, the apex long and narrow and deeply split; petiole long and stout, nearly flat in section, about 1.5 cm. broad at widest part; hastula a stout elevated expanded woody obtuse ridge standing 5-10 mm. high and usually 4 cm. across base of blade: spadix large and declined by a stout peduncle, to 4 dm. long and 1-2 dm. broad, closely laden when in fruit, with stout divaricate pedicels 3-5 mm. long, spathes with apices 4-5 cm. long: fruit shining black, oblate, 1 cm. or more across but less in height, with thin unmarked pulp; seed 8-9 mm. across, flattened lengthwise, with irregular periphery, sulcate with 4 or 5 main shallow not strict more or less wavy furrows that anastomose at bottom and top giving it a cerebriform or brain-like appearance, the albumen divided by 10 and more deep intrusions that usually do not meet at the center.

Martinicaensis, named for the island of Martinique, *La Martinica* in Italian, seen by Odoardo Beccari (Florence, Italy) in Herb. de Candolle; Berlin, *Hahn 1531* collected in Vallee de St. Pierre (1873), and specimens also in Berlin by Pèrè Duss. Collected by *Bailey 289* near Fort-de-France, Martinique, both in the wild and in plantations, an attractive tree.

† 4. *Coccothrinax discreta*, spec. nov. Figs. 11, 15, 16, 17.

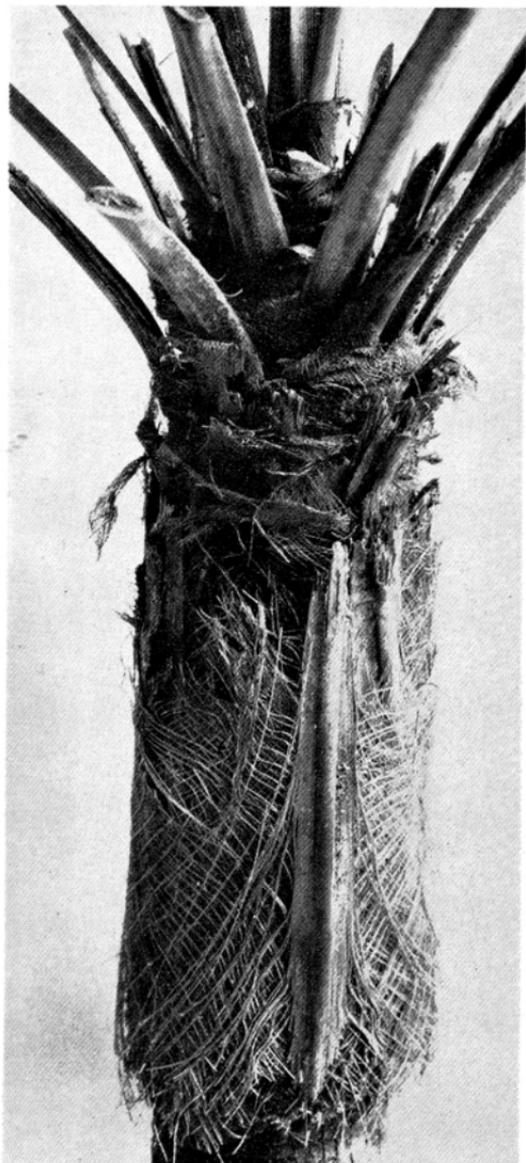
Arbor gracilis altaque ad 15 m.: folia 1 m. lata, viridia supra, argentea glabraque subter, segmenta 3-4 cm. lata, venæ laterales desunt, venulæ parallelæ multæ; hastula suberecta, tubularis vel cupularis, 1-2 cm. super folium vel palman; petiolus pæne planus, 1-1.5 cm. latus: spadix



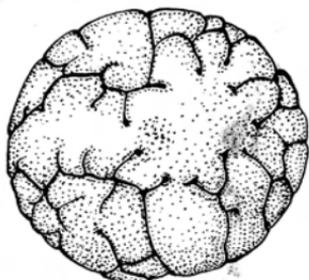
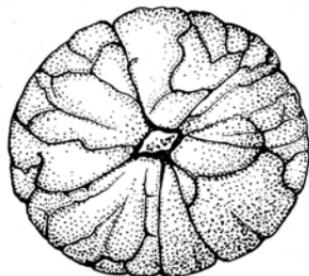
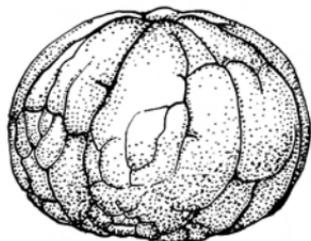
11. HASTULAS \times about $\frac{1}{2}$. A, *Coccothrinax martinicaensis*; B, C, *Dussiana*; C, *C. discreta*.

magnus, spathellæ breves acutæque, inflorescentiæ 5-6 dm. longæ, divaricate ramosæ, pedicelli 3-4 mm. longi; flores fere 9 staminibus vix stigma excedentibus, antheræ longiores quam filamenta et bis longiores quam latæ: fructus circa 1 cm. diam., breviacuminati; semen magnum, 7-8 mm. diam., depressum, sulci tenues et pæne simplicia, leviter curvi, non ad centrum albuminis extendentes.

Slender tree to 15 m. tall, trunk erect but often curved or indirect, coma open with long petioles and leaf-segments not hanging: leaves 1 m.



12. *COCCOTHRINAX MARTINICAENSIS*, trunk below the leaf-head not yet denuded of its shag of petiole-bases.

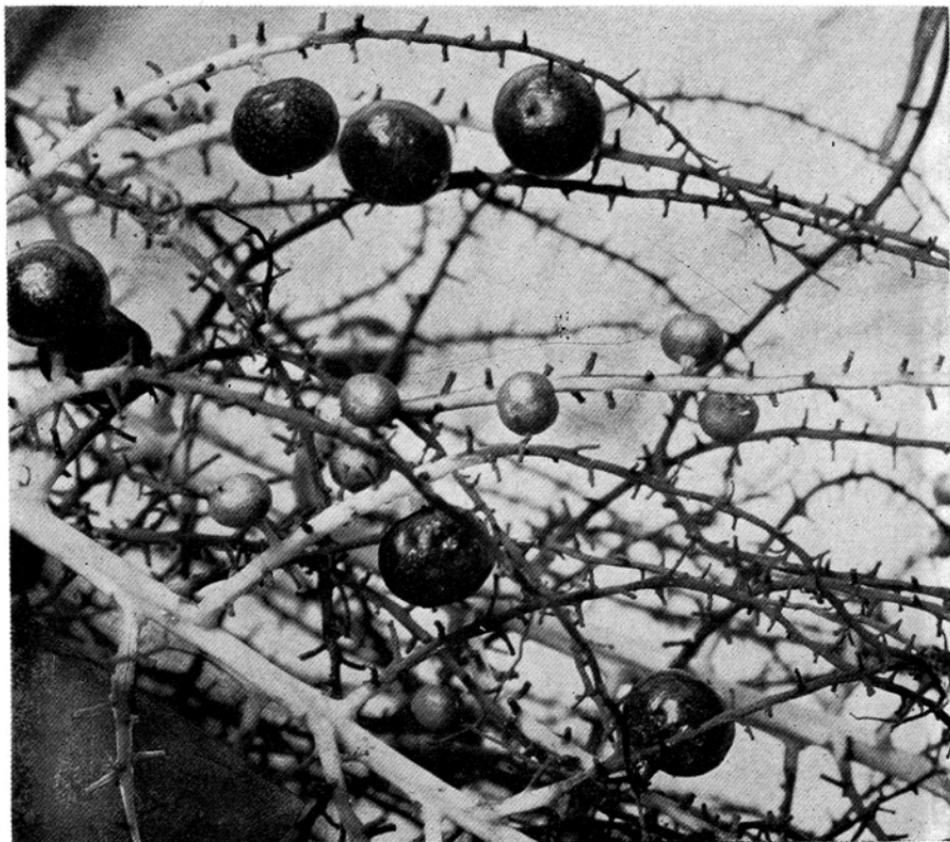


13. *COCCOTHRINAX MARTINICAENSIS* X 4. Side view of seed, bottom, top, cross-section, top to bottom respectively.

or more broad, green on upper face, glabrous and silvery underneath, segments about 3 cm. broad toward base, not very deeply divided, lateral ribs wanting but parallel veinlets many and fine; hastula a short tubular or somewhat cupular striate protuberance, standing 1 cm. and more above the blade, the apex obtuse, rim not expansive; petiole nearly flat, 1-1.5 cm. broad, margins smooth and almost sharp: spadix ample with short sharp-pointed spathelets, inflorescences 5-6 dm. long and strongly simply divaricately branched, pedicels 3-4 mm. long and medium stout; flowers with usually 9 stamens widely spreading, anthers about twice as long as broad and exceeding the filaments in length, not much overtopping the stigma: fruit nearly or quite 1 cm. thick with uniform or only slightly wrinkled surface and very short point; seed large, somewhat depressed, 7-8 mm. thick, broader than high, with light thin nearly simple slightly curved sulcations that do not extend to center of albumen.

Island of Vieques on uplands and hills, *Bailey 671* near Isabel Segunda; *Shafer 2610* Isabel Segunda to Santa Maria. An attractive comely palm on good land, but sometimes remaining as lone sentry trees on windswept shores.

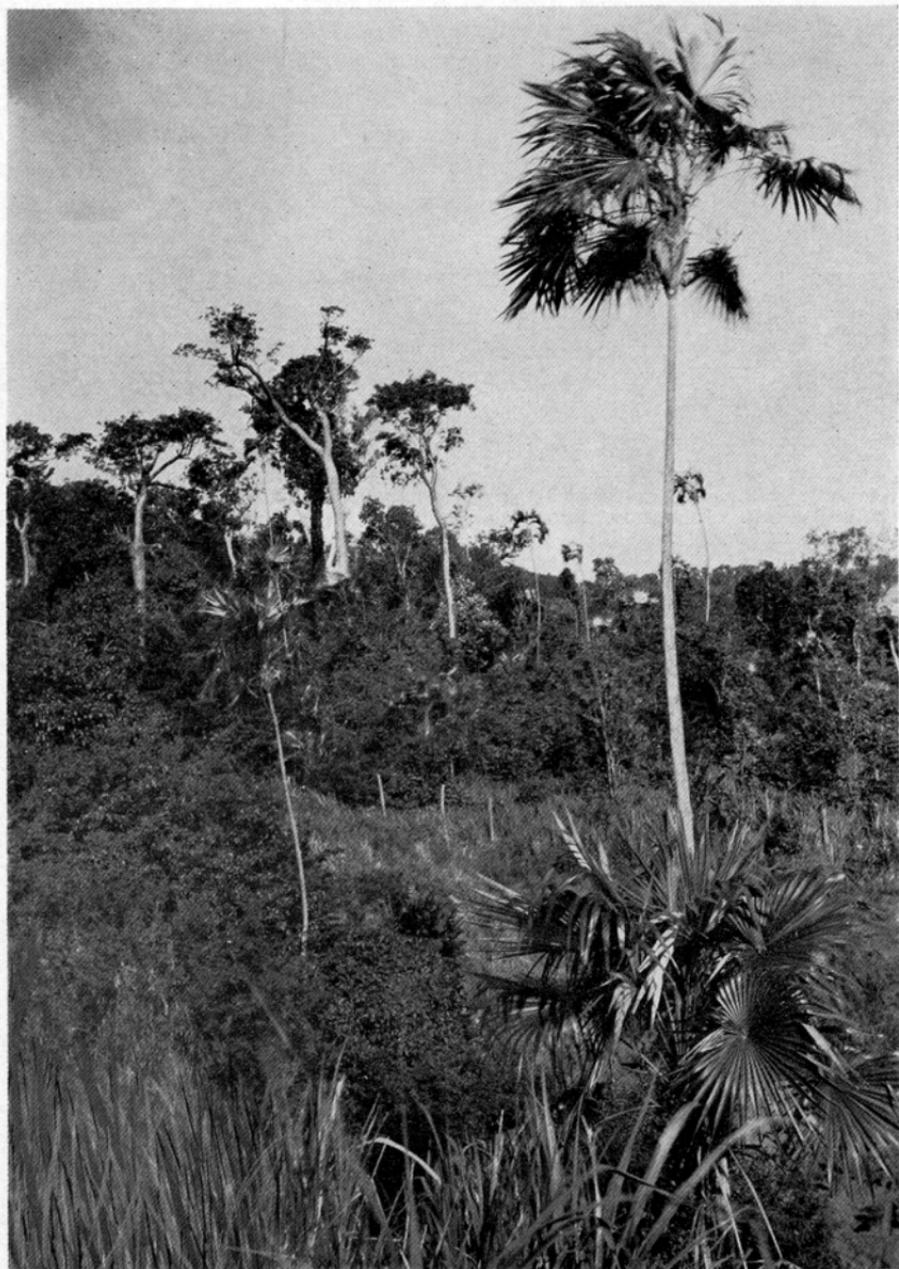
Differs from *C. alta* of adjacent Puerto Rico in its more silvery under surface of leaves, more upstanding and more tubular hastula, larger seeds (7-8 rather than 5 mm. broad).



14. *COCCOTHRINAX MARTINICAENSIS*, Martinique. The mature fruits a little over-size.

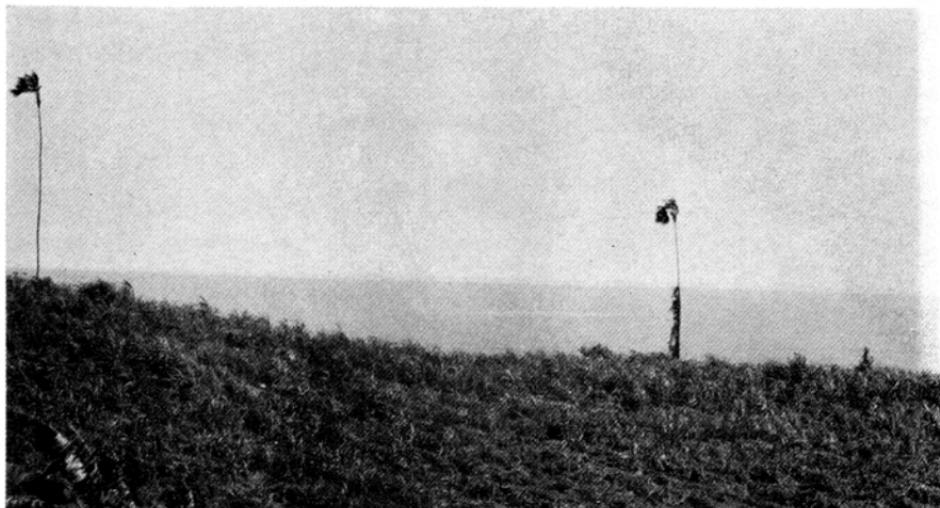
5. *Coccothrinax sancti-thomæ*, Becc. in Webbia, ii, 303 (1907). TYRE
PALM. Figs. 18, 19.

Very slender broom palm to 8 m. tall, trunk solitary but tree often growing in loose or open colonies, trunk covered with abundant shag: leaves about 1 m. across, green on both surfaces but with light silver sheen

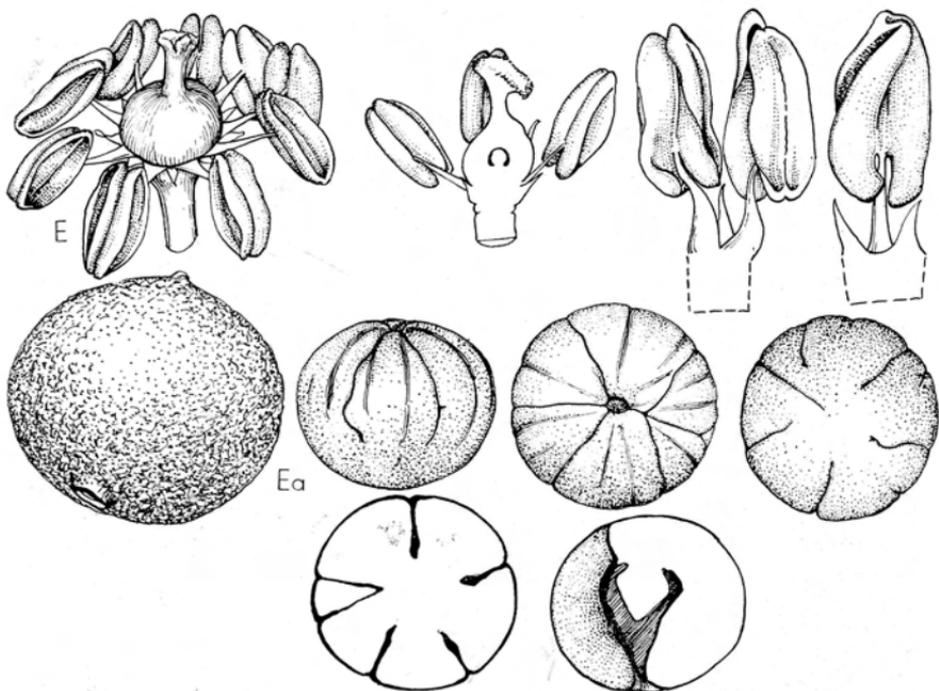


15. *COCCOTHRINAX DISCRETA* on Vieques island. Note the spindling curved trunks as compared with the rigidly erect trunk in Fig. 20.

on under side when fresh and not glaucous (more silvery on herbarium sheet), in horizontal or ascending position on tree and most of the long-pointed segments standing straight out rather than hanging, conspicuous side-veins absent, the segments 2-3 cm. broad near base; hastula small, straight across the top or with a short point in its middle and about 2 cm.



16. *COCCOTHRINAX DISCRETA*, two remaining trees on a wind-blown coast; note the slenderness of the trunks. Sea in the distance; Vieques.



17. *COCCOTHRINAX DISCRETA*. E, flowers \times about 8, stamens \times 12; Ea, fruit and seeds \times 3, showing seeds side, top, bottom views, cross and longitudinal sections.