

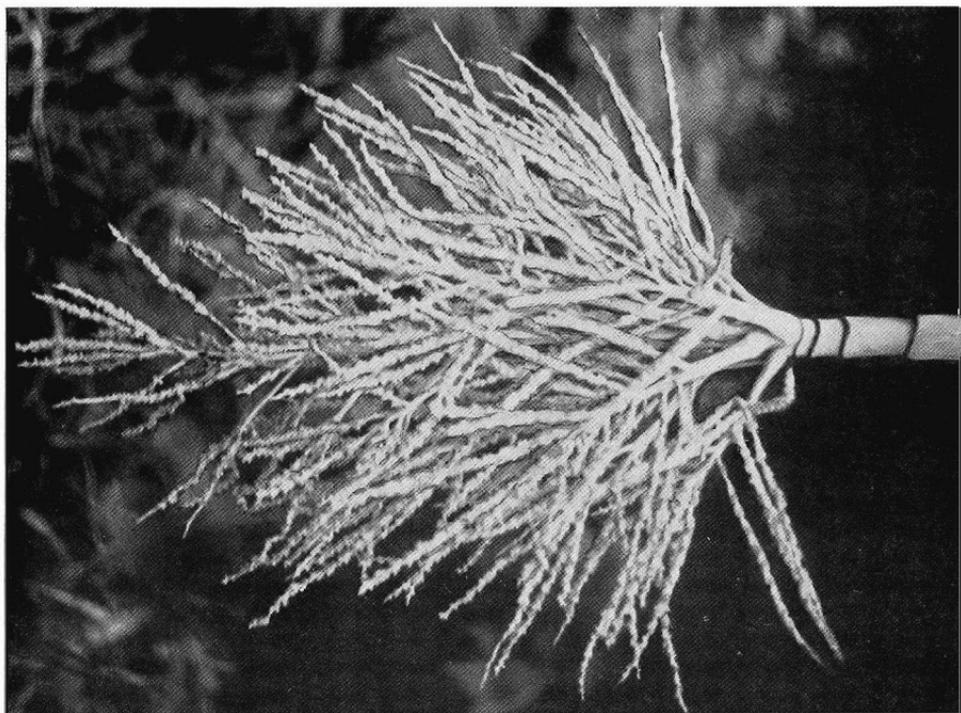
Round Island; planted on main island of Mauritius itself. I have not seen this species in cultivation in the western hemisphere. The diagnosis of this interesting palm is drawn from specimens, notes and photographs supplied me by Dr. R. E. Vaughan, of Mauritius, No. 807, Herb. Bailey.

† 2. *Mascarena lagenicaulis*, spec. nov. Figs. 43, 50, 54, 55, 56, 57.

Hyophorbe amaricaulis, Hort.; Auth. in part.

Truncus lageniformis, infra tumidus et angustatus ad inflorescentiam, culmen superius longum prominensque: pinnæ erectæ vel ascendentes, contiguæ, latis basibus separatis in rachide carina longitudinali, 40-60 cm. longæ, 4 cm. vel plus latæ, superficies punctata, 3 costæ, apices aliquanto breves; petiolus 30 cm. vel plus longus: spadix 60-75 cm. longa, multum ramosa et diffusa; rachillæ plerumque 12-14 cm. longæ, rectæ: flores 6 vel plures in acervulos elongatos dispositi: fructus ovoideus, 25 cm. longus, 15-18 mm. latus, glaber, ater; semen 20 mm. longum, irregulariter sulcatum, embryon laterale et supermediale, albumen durum et homogenum.

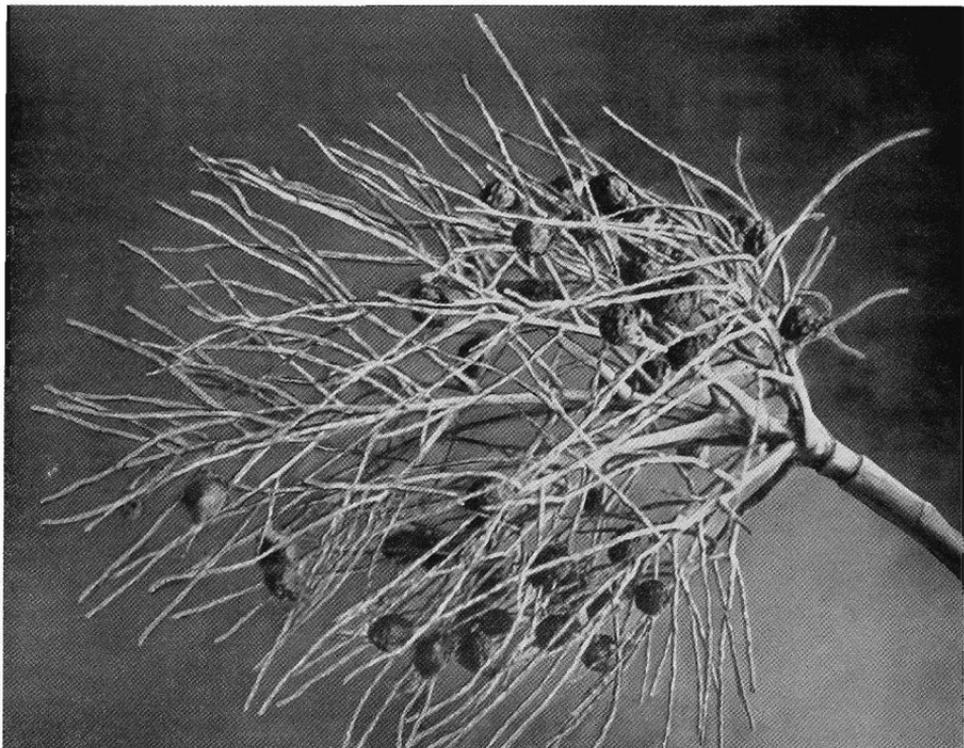
Stout erect palm of low stature as far as known (perhaps 3-5 m. tall) with thick tumid closely ringed bole that rather suddenly constricts into a short bottle-neck beneath the inflorescence: head of few stout bold leaves that may be disposed in a cruciform pattern, the stiffish pinnæ standing upright and disclosing the stout rachis or midrib underneath, crown-shaft



45. FLOWERING SPADIX OR INFLORESCENCE of *Hyophorbe indica*.
Réunion. Much reduced.

(above the fruit-cluster) prominent; petiole 30 cm. or more long, convex on back, bearing a ridge or line on the rachis that separates the pinnæ even to the apex of the blade; pinnæ many, closely placed particularly toward the top, central ones 4 cm. or even more broad at middle and 40-60 cm. long, point not very long and slender but entire, surface above more or less punctate and dull in color, underneath bearing flecks or palea on the 3 very strong ribs but glabrous on the many fine ribs, the upper 36-40 cm. of the blade closely set with broad short and abruptly pointed pinnæ that are much expanded at base but separated in attachment by central line of the rachis, the terminal pair joined and perhaps not more than 10 cm. long; spathe comprised of several short close-fitting bifid valves or bracts that detach at anthesis; spadix to 75 cm. or more long, bushy-branched, glabrous, spreading in all directions but the branches variously deflexed in fruit, ultimate rachillæ or branchlets straight and 8-14 cm. long, and flowers usually 6-8 in somewhat double lines or acervuli; flowers very small, the staminate not more than 5 mm. across at anthesis, stamens 6 with short upstanding anthers attached below the lobes of the corolla: fruit ovoid, about 25 mm. long and 15-18 mm. broad, glabrous but somewhat rugose, black at maturity, the floral envelope not greatly enlarged; seed 20 mm. long more or less, the surface marked with raphal grooves; embryo lateral, somewhat above the middle, in plain hard albumen.

Nativity not distinguished, presumably Mascarene and overlooked



46. FRUITING SPADIX of *Hyophorbe indica*. Réunion. Reduced.

there. It is frequent in cultivation in the western hemisphere from southern Florida to Rio de Janeiro; fragmentary specimens from Singapore appear to be the same. The specific name is from Latin *lagena*, flask or bottle, and *caulis*, a stem.

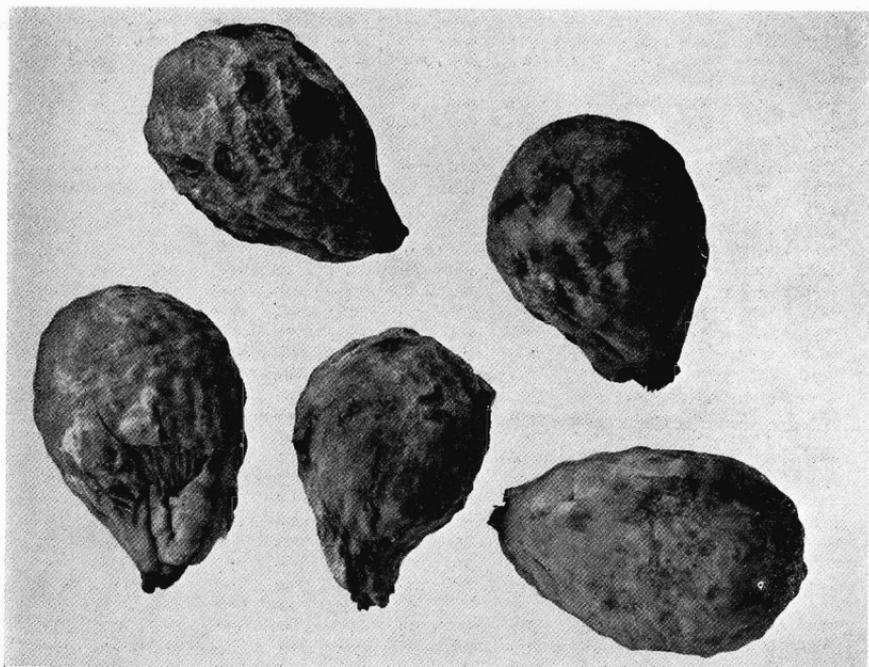
It is apparently not known what stature this palm attains, or whether in age it develops such a long slender trunk or neck as seen in Fig. 30 representing *M. Revaughanii*.

Type of *Mascarena lagenicaulis* is material in Herb. Bailey from the Montgomery plantations, Coconut Grove, Florida, No. 716, all from one tree.

† 3. ***Mascarena Verschaffeltii***, trans. nov. Figs. 43, 50, 58, 59, 60.

Hyophorbe Verschaffeltii, Wendl. in Ill. Hort. xiii, sub. t. 462-3 (1866); Balf. f. in Baker, Fl. Mauritius & Seych. 383 (1877).

Strictly erect tree, 6-10 m. tall, the bole not contracted to the inflorescence or much swollen at base but usually constricted at the middle, tumid where the flowers and fruits are borne, head of many curving leaves on which the pinnæ are diffuse and some of them drooping, lacking the stiffness and ascending direction of the foliage of *M. Revaughanii* and *M. lagenicaulis*: leaves 2 m. long more or less, petiole only 10-12 cm. long, broad, flat above but at the blade developing a bordered groove or valley on upper



47. MATURE FRUITS of *Hyophorbe indica*, sent fresh in liquid from Réunion. Natural size. When these fruits are dried at Ithaca they assume irregular shapes of those in middle row in Fig. 48.