

## Palmae

by

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**Licuala** Wurmbr.

1. **Licuala spinosa** Wurmbr.  
Culi6n Isl. (MERRILL no. 543).

**Livistona** R. Br.

1. **Livistona Merrillii** Becc. — *Corypha minor* Blanco Fl. Filip. edit. 1<sup>a</sup>, p. 229; edit. Naves et Villar v. I, p. 290. — *Livistonae* sp. Naves et Villar Noviss. app. p. 281—282. — *Livistona* sp. Vidal Rev. plant. vasc. Filip. p. 279 no. 1943, 1952? — Truncus elatus. Frondium petiolus elongatus supra planiusculus, subtus obsolete angulatus, marginibus acutissimis inermibus; limbus flabellato-orbicularis in parte centrali ultra medium indivisus, 1—1,20 m diam., laciniis primariis medianis 5—6 cm latis, exterioribus angustioribus, omnibus profunde bipartitis, lobis sensim longissime acuminatis. Spadix metralis et ultra, pedunculo gracili elongato, spatha cylindracea arcte involuto, ramulis subulatis, fructibus globosis cerasi magnitudine.

Luzon Isl., Prov. Tayabas, Guinayangan (MERRILL no. 2071; January 1903, fructibus non rite maturis).

**Calamus** Linn.

1. **Calamus inflatus** Warb.  
Luzon Isl., Prov. Rizal, Bosoboso (MERRILL no. 1891); Antipolo (MERRILL no. 1641, 1643; February 1903).
2. **Calamus maximus** Blanco  
Luzon Isl., Prov. Rizal, Bosoboso (MERRILL no. 1893; April 1903).
3. **Calamus microsphaerion** Becc. n. sp. Scandens gracilis; caudices vaginati circ. 19 mm diam., vaginis inermibus; frondes cirriferæ, in parte pinnifera circ. 80 cm longæ, cirro filiformi terminatæ, petiolo brevi utrinque inermi, rachi inferne reduncaculeata, supra nuda, segmentis numerosis valde inaequidistantibus in quovis latere 2—4 irregulariter approximato-fasciculatis, tenuibus, subherbaceis, utrinque viridibus, anguste lanceolatis valde acuminatis, tenuiter 3- sub 5-costulatis, nervis

omnibus utrinque et marginibus nudis; spadix ♀ simpliciter decompositus elongato-paniculatus, caudiculo inermi terminatus, spathis primariis arcte tubulosis, inflorescentiis partialibus 6 ovatis, spicis decrescentibus utrinque 7—8, perianthio fructifero pedicelliformi, fructibus sphaericis minutissimis. *C. ramuloso* accedit sed spadicebus ♀ simpliciter decompositis.

Culi6n Isl. (MERRILL no. 507; in December 1902).

4. **Calamus mollis** Blanco

Luzon Isl., Prov. Pampanga, Arayat (MERRILL no. 1411; March 1903); Prov. Rizal, Antipolo (MERRILL no. 1642; February 1902; no. 1743; March 1903).

5. **Calamus ramulosus** Becc. n. sp. Scandens, mediocris; caudices vaginati 2 cm diam.; vaginae spinis sparsis numerosis pallidis subulatis armatae; frondes cirriferae, in parte pinnifera metrales, cirro filiformi gracili terminatae; petiolo 0, rachi utrinque irregulariter spinosa, segmentis numerosis, in fasciculos plurimos 3—5 approximatis, tenuibus, subherbaceis, linearibus valde acuminatis unicostulatis, nervis utrinque nudis, marginibus minutissime spinulosis; spadix ♀ supra decompositus diffusus caudiculo filiformi inermi terminatus, spathis primariis tubulosis arcte vaginantibus, inflorescentiis partialibus patentibus, ramulis spicigeris horizontalibus numerosis utrinque onustis, spicis gracilibus, spathellis cylindraceis arcissime vaginantibus, involucrio florali lateraliter affixo exacte cupulari, perianthio fructifero calyciformi, fructibus globoso-ovatis inter minoribus. — Affinis speciebus e congerie *C. siphonospathi* sed spathis arcte vaginantibus.

Luzon, Prov. Tayabas, Guinayangan (MERRILL no. 2070).

6. **Calamus trispermus** Becc. n. sp. Verisimiliter scandens et robustus; frondes (radicales?) non cirriferae, segmentis inaequidistantibus, in quovis latere geminato-approximatis majusculis oblanceolatis abrupte breviterque acuminatis, 5-costulatis, utrinque viridibus et nudis, marginibus minute et appresse spinulosis, venulis transversis nitidis creberrimis. Spadix ♀ magnus paniculatus, inflorescentiis partialibus 40—45 cm longis, spicis utrinque 5—6 ad faucem spatharum insertis, 12—15 cm longis, spathellis breviter infundibuliformibus, perianthio fructifero explanato, fructibus (non rite maturis) ovoideis abrupte mucronatis, circ. 18 mm longis, 12—13 mm diam., squamis nitentibus longi-