

*Spathellule* of fem. fl. distinctly pedicelliform. *Seed* (where known) not ruminant.

106. *CALAMUS HETERACANTHUS* Zipp. . . . . New Guinea.  
107. *CALAMUS SYMPHYSIPUS* Mart. . . . . Celebes.

108. *Calamus Cumingianus* Becc. sp. n.—Fronidium rachis subtus in medio et ad margines aculeis reduncis solitariis validiusculis apice nigris armata et supra ad latera spinulosa; segmenta inaequidistantia irregulariter 2-4 aggregata, spathulata, basi attenuata, 20-24 cent. longa, 5-5.5 cent. lata, apici abruptissime apiculata, utrinque glabra, viridia subtus pallidioria, plicato-multinervia, costa media supra remote spinulosa, subtus nuda, nervis secundariis utrinque nudis, marginibus crebre serrulato-spinulosis; spadiceis ♀ spathae primariae tubulosae, laxiuscule vaginantes et saepe longitudinaliter fissae, aculeolatae; inflorescentiae partiales breves arcuatae, spicis laxifloris, floribus involucrophoro elongato suffultis et distincte pedicellatis.—*C. symphysis* et *C. heteracantho* ut videtur affinis.

Philippines (Cuming No. 762 in Herb. Kew).

109. *Calamus kandariensis* Becc. sp. n.—Scandens, gracilis, vaginis 8-10 mill. diametro indumento griseo-furfuraceo detergibili indutis subinermibus vel spinis brevissimis parce armatis; frondes cirriferae, petiolo brevi, segmentis paucis patentibus in utroque latere remote approximatis, anguste lanceolato-ellipticis, basi attenuatis, apici acuminatis utrinque subconcoloribus, nervis omnibus tenuibus una cum marginibus et apice omnino setis vel spinulis destitutis, majoribus 20-22 cent. longis, 2-2.5 cent. latis; spadices breviusculi, non flagelliferi, spathis primariis laxo tubulosis, vix dorso aculeolatis, indumento griseo-furfuraceo detergibili obtectis.

Var. *glabratus*: vaginis glabris et petiolis spinis longioribus armatis.

Celebes; Lepo-Lepo in Kandari (Beccari 1874).

110. *CALAMUS ADSPERSUS* Bl. . . . . Java.  
111. *CALAMUS PLICATUS* Bl. . . . . Celebes.

GROUP XIII.—*Leaves* produced into a long-clawed cirrus. *Leaf-sheaths* not flagelliferous. *Primary spathes* elongate-tubular. *Spathellule* of fem. fl. not pedicelliform. *Fruiting perianth* pedicelliform. *Seed* (where known) with albumen ruminant and basilar embryo.

112. *CALAMUS ZEYLANICUS* Becc.—*C. rudentum* (not of Lour.)  
Thw. . . . . Ceylon.