

flagello tenuissimo aculeato terminati; spathae primariae angustissimae, tubulosae, parcissime aculeatae; inflorescentiae partiales paucae remotissimae et valde elongatae, floribus ♂ minutissimis; fructus parvi, inter minores, sphaeroidei pisi magnitudine, semine globoso 4.5 mill. diam., albumine aequabili.

Borneo; Sarawak (Beccari P. B. Nos. 1000, 2760, 2927).

59. CALAMUS PYGMAEUS Becc. . . . . Borneo.

60. *Calamus borneensis* Becc. sp. n.—Mediocris, scandens; frondium rachis subtus prope apicem subregulariter aculeis reversis solitariis armata; segmenta numerosa aequidistantia remotiuscula, anguste lineari-ensiformia, basi breviter attenuata, apici sensim attenuato-acuminata, supra costulis 3 acutis setosis percursa, subtus pallidiora, nervis tenuibus, costa media superficiali interdum prope apicem parce setosa, marginibus minute et inconspicue spinuloso-ciliolatis, majora 30 cent. longa, 13 mill. lata, 2 apicalia minora e basi libera; spadices ♀ longissimi filiformes; spathae primariae et secundariae valde elongatae angustissimae, arcte tubulosae; inflorescentiae partiales valde elongatae, spicis numerosis distice paullo supra spatharum faucem horizontaliter callo insertis, filiformibus 10-15 cent. longis utrinque floribus 10-19 distice onustis. Fructus (immaturi) parvi subgloboso-ovati, rostrati, perianthio basi calloso subpedicelliformi suffulti.

Borneo; Sarawak? (Lobb. in Herb. Calc.).

61. CALAMUS REINWARDTII Mart. . . . . Java.

C. REINWARDTII v. AMPLUS Mart. . . . . Java.

C. REINWARDTII subsp. HETEROIDEUS Becc.—*C. heteroideus* Bl. with the vars.  $\beta$  *procerus*,  $\gamma$  *refractus*,  $\delta$  *conjugatus*,  $\epsilon$  *spissus* . . . . . Java.

C. REINWARDTII v. PALLENS Becc.—*C. pallens* Bl. . . . . Java.

62. CALAMUS OPACUS Bl. . . . . Sumatra.

63. CALAMUS DENSIFLORUS Becc. . . . . Malayan Peninsula.

64. *Calamus Ridleyanus* Becc. sp. n.—Scandens; frondium rachis subtus aculeis reduncis validis sparsis apice nigris armata; segmenta numerosa aequidistantia, lineari-lanceolata, basi attenuata, apici acuminata, majora 45 cent. longa, 2.5 cent. lata, superiora sensim minora, apicalia parva, utrinque viridia et subnitentia, supra costulis prominentibus 3 nudis, subtus nervis tenuibus et apice versus setulosus percursa, marginibus nudis; spadix ♀ valde elongatus, 3-metralis et ultra, flagello aculeato elongato terminatus; spathae primariae arcte tubulosae in ore truncatae, dense spinulis parvis armatae; inflorescentiae partiales paucae valde elongatae (usque 75 cent.

longae) spicis numerosis disticis crassiusculis 7-8 cent. longis curvulis onustae, spathis secundariis tubulosis apici parum ampliatis dense aculeolatis, spathellis brevissimis concavo-cochleariformibus integris truncatis vix acutis, decidue furfuraceis.—*C. densifloro* valde affinis, differt praecipue inflorescentiis valde elongatis et spathis primariis et secundariis dense spinulosis.

Singapore (Ridley).

65. *CALAMUS LURIDUS* Becc. . . . . Malayan Peninsula.  
 66. *CALAMUS DELICATULUS* Thw. . . . . Ceylon.  
 67. *CALAMUS HELFERIANUS* Kurz. . . . . Tenasserim?; Andamans?  
 68. *CALAMUS NICOBARICUS* Becc. . . . . Nicobars.

69. *Calamus salicifolius* Becc. sp. n.—Caespitosus, 1-3 metr. altus, caudice gracili 6-7 mill. diam., vaginis flagelliferis nudis vel sparse spinis parvis rectis armatis; frondes paripinnatae breves, 20-30 cent. longae, segmentis paucis remote fasciculatis, lanceolatis, parvis, rigidis, utrinque pallide viridibus, 5-9 cent. longis, 8-15 mill. latis, costa media in pagina superiore spinulis acicularibus 1-3 erectis praedita, in pagina inferiora minute puberulo-papillosis, marginibus remote et patule spinuloso-ciliatis, segmentis apicalibus minoribus e basi omnino liberis; spadices ♀ erecti, parvi, 25-35 cent. longi, spicis parvis brevibus (1-2 cent. longis) curvulis, fructibus parvis globosis abrupte rostratis, perianthio basi calloso breviter pedicelliformi suffultis, semine irregulariter globoso, superficie inaequali, albumine aequabili.

Lower Cochinchina (Pierre No. 4853).

*F.*—Leaflets narrow or rather large. Fruiting perianth distinctly pedicelliform.

70. *CALAMUS TENUIS* Roxb.—*C. Royleanus* Griff.—*C. amarus* Lour.—*C. Heliotropium* Ham. . . . . N. India.  
 71. *CALAMUS HORRENS* Bl. . . . . Java.  
 72. *CALAMUS TETRADACTYLUS* Hance . . . . . China.  
 73. *CALAMUS DIFFUSUS* Becc. . . . . Singapore.  
 74. *CALAMUS WALKERII* Hance . . . . . China.  
 75. *CALAMUS BACULARIS* Becc. . . . . Borneo.  
 76. *CALAMUS ROTANG* Linn.—*C. Roxburghii* Griff.—*C. monocus* Roxb.—*C. Scipionum* (partly) Lamk S. India; Ceylon.  
 77. *CALAMUS BRANDISII* Becc. . . . . S. India.  
 78. *CALAMUS FEANUS* Becc. . . . . Tenasserim.  
 79. *CALAMUS ACANTHOSPATUS* Griff.—*C. montanus* T. And.—N. E. India.

GROUP VI.—*Rachis* of leaves not produced into a cirrus. Leaf sheaths flagelliferous or not. Primary spathes very long, at first