

3-4-costulata, lateralibus angustioribus et longioribus, anguste oblanceolata, supra acute 3-costata, utrinque viridia, nitida et nuda; spadix breviusculus (60 cent.) apice breviter caudatus; spathae primariae tubulosae, apici exsuccae et lacerae in dorso aculeatae, inflorescentiae partiales patentes, majora 20 cent. longa, spicibus utrinque numerosis alternatim distiche horizontalibus vermicularibus; spathis secundariis elongatis tubuloso-infundibuliformibus tuberculato-scabridis; spathellis brevissimis scaberrimis; fructibus parvis, sphaericis (immaturis 7 mill. diam.)

Borneo; Sarawak (Lobb in Herb. Kew).

40. *Calamus scabridulus* Becc. sp. n.—Fronidium rachis supra acutissima bifacialis, subtus aculeis validis reduncis solitariis apice nigris armata; segmenta numerosa subaequidistantia remotiuscula, anguste lanceolato-ensiformia acuminata, basi attenuata utrinque viridia et subnitentia, supra in costulis 3 acutis spinosula, subtus secus nervos primarios 3 tenues parce spinulosa, marginibus fere nudis, majora 40-45 cent. longa, 2-2.5 cent. lata, 2 apicalia paulo latiora sed breviora et basi breviter connata; spadicibus infl. partiales valde elongatae; spathis secundariis scabrido-aculeatis; spicibus reflexis, spathellis brevissimis tuberculoso-hispidulis.—*C. ruvido* affinis.

Billiton (Riedel) and probably also in Borneo (Motley in Herb. Kew).

41. *CALAMUS MURICATUS* Becc. Borneo.

42. *CALAMUS ZONATUS* Becc. Borneo.

C.—As in B., but leaflets numerous, equidistant; spathes, spathels and spathellules conspicuously scabrid.

43. *CALAMUS RADULOSUS* Becc. Malayan Peninsula.

44. *CALAMUS RUGOSUS* Becc. Malayan Peninsula.

D.—Leaflets many, narrow, often fascicled; spathes, spathels and spathellules smooth or more or less aculeate but never scabrid. Fruiting calyx explanate.

45. *CALAMUS VIMALIS* Willd. (type)—*C. buroënsis* (partly) Mart.—*C. litoralis* Bl.—*Palmajuncus vimalis* Rumph. —Java.

C. *VIMALIS* v. *FASCICULATUS* Becc.—*C. fasciculatus* Roxb.—*C. extensus* (not of Roxb.) Mart.—*C. pseudo-Rotang* Mart.

—Bengal; Burma; Tenasserim; Pinang; Andaman Islands.

46. *Calamus siamensis* Becc. sp. n.—Caudex scandens digiti crassitie, vaginis spinis longiusculis solitariis vel confluentibus

et oblique seriatis armatis; frondium petiolus brevissimus spinis rectis longis horizontalibus armatus, rachi in dorso spinis rectis longis solitariis deflexis, aculeis reduncis intermixtis, armata; segmenta numerosa approximata aequidistantia anguste lanceolata, supra in costa media, subtus in nervis 3 spinulosa, marginibus patule crebreque serrulato-spinulosis; spadiceis ♀ spathae primariae elongato-tubulosae, aculeatae, in ore oblique truncatae; inflorescentiae partiales 12-15 cent. longae, spicis disticis utrinque 5-6, 8-9 cent. longis; floribus 4-seriatis.—*C. viminali* valde affinis differt segmentis aequidistantibus et floribus ante anthesin 4-seriatis.

Siam (Schomburgh in Herb. Kew).

47. *CALAMUS CONCINNUS* Mart. Mergui.
 48. *CALAMUS FLORIBUNDUS* Griff.—*C. mishmeensis* Griff.—*C. multiflorus* Mart. N.-E. India.
 49. *CALAMUS MOLLIS* Blanco—*C. Hankeanus* Mart.—*C. usitatus* (not of Blanco) Vidal Philippines.
 50. *CALAMUS BLANCOI* Kunth—*C. gracilis* (not of Roxb.) Blanco —*C. brevifrons* Mart.—*C. parvifolius* (not of Roxb.) Vidal —*C. usitatus* (not of Blanco) Mart. Philippines.
 51. *CALAMUS PSEUDO-TENUIS* Becc.—*C. tenuis* (not of Roxb.) Thw. S. India; Ceylon.
 52. *CALAMUS RADICALIS* H. Wendl. Australia.
 53. *CALAMUS ZEBRINUS* Becc. New Guinea.
 54. *CALAMUS BARBATUS* Bl. New Guinea.
 55. *CALAMUS INTERRUPTUS* Becc. New Guinea.
 56. *CALAMUS DOCILIS* Becc.—*C. interruptus* v. *docilis* Becc. —New Guinea.
 57. *CALAMUS SERRULATUS* Becc. New Guinea.
E.—Leaflets as in *D.*, but more numerous, usually narrow (lanceolate in *C. salicifolius*). Fruiting perianth slightly callous at the base and subpedicelliform.

58. *Calamus nematospadix* Becc. sp. n.—Scandens, caudice digiti crassitiae, vaginis dense spinis laminaribus lanceolatis parvis armatis; frondium (80-90 cent. long.) petiolus elongatus marginibus aculeatis segmenta 15-30 in utroque latere aequidistantia, lineari-ensiformia, 20-30 cent. longa, 1-2 cent. lata, basi attenuata, apici acuminata, supra substriato-multinervia, costulis majoribus 3 percursa, quarum costula media nuda et costulis lateralibus spinulosis, subtus costa media superficiali spinulosa, et nervis lateralibus nudis; marginibus prope apicem tantum inconspicue spinulosis; spadices longissimi (ultra 3-metrales) gracillimi filiformes, apici