

Calamus karuensis Ridl. n. sp.

Rather slender and about 22 feet long. Leaf-rachis armed with few, short recurved thorns; leaflets oblong-lanceolate, long acuminate, shortly narrowed at the base; nerves about 6, with short transverse nervules undulate numerous 15 in. long 1.5 in. wide. Spadix, male 3 feet long, sheaths flattened, lowest one 9 in. long, .5 in. wide at top with few scattered short thorns on the edge; limb short .25 in. long, scurfy, triangular acute, upper sheath similar but much smaller and unarmed; secondary spathes tubular 1.5 in. long, mouth oblique, limb short triangular acute ciliate on the edge scurfy. Spadix branches shortly projecting from the sheaths; peduncle hardly or not projecting; branches one or two; branchlets 6 to 10 with flowers scattered; flowers about 1 to 1.5 in. long. Spathels .1 in. long, scurfy. Flowers about 20 on a branchlet. Bracts small, ovate mucronate, Spathel- lules cup-shaped round, striate or with 3 minute points. Calyx tubular striate with 3 short ovate lobes .11 in. long. Corolla little longer. Petals elliptic. Stamens 4, linear with very short filaments.

Berastagi forests. The only rattan I saw there. Allied to *C. aruensis* Becc., but stouter, and also to *C. siphonacanthus* Becc. of the Philippines but much less robust and thorny and with flattened lower spathes.

ARACEAE.**Arisaema filiforme** Bl.

Sporadically in the Berastagi woods.

Distrib. Java, Sumatra, Malay Peninsula.

Homalomena Raapii Engl.

Sibolangit, Bukit Kluang (Mohamed Nur 7410).

There was a very big *Homalomena* common in the Berastagi woods which I take to be this plant, but I could find no trace of flowers or fruits. I have seen no type of this species, but from description and figure take these plants to be Engler's species which is a native of Western Sumatra.

Homalomena paludosa var. ?

Bandar Bharu, Gunong Sibayak (Mohamed Nur 7396). Fruit greenish and stalk brown. I have no spathe on the specimen and there is some difference in the foliage, but it may be a form of *H. paludosa*.

Homalomena Burkilliana Ridl. n. sp.

Stem 1 in. or more tall, not stout. Leaves ovate, base broad slightly retuse, tip shortly acuminate mucronulate; nerves very numerous about 20, more prominent than the others (these consisting of fascicles of smaller nerves which diverge from the central one at different points) 6 in. long, 3.5 in. wide; petiole slen-