

west of San Fernando de Apure, *C. E. Chardon*. San Fernando de Apure is on the Orinoco, western part of Estado de Bolivar, near the juncture of Rio de Apure.

† *Desmoncus Velezii*, spec. nov. Fig. 78.

Gracilis, scandens, glaber præter in spatha: folia circa 8 dm. longa; pinnæ 5-7 in utroque rachis latere, 16-20 cm. longæ, 4 cm. vel minus latæ, longo-lanceolatæ et longo-acutæ, valde multinervatæ, spinæ irregulares in rachi, 2-5 cm. longæ; unci terminales 5-7 paribus, crassi basi et recurvi, unci inferiores plani et 1 cm. lati, 8 cm. longi basi cirrhi ad 1 cm. longi apice: spatha circa 20 cm. longa, 3-4 cm. lata expansione, gracilibus aculeis sparsis 1 cm. vel minus longis; spadix tam latus quam longus, rami 8 cm. vel minus longi: fructus oblongi, 10-13 mm. longi, 1 cm. lati, inermes.

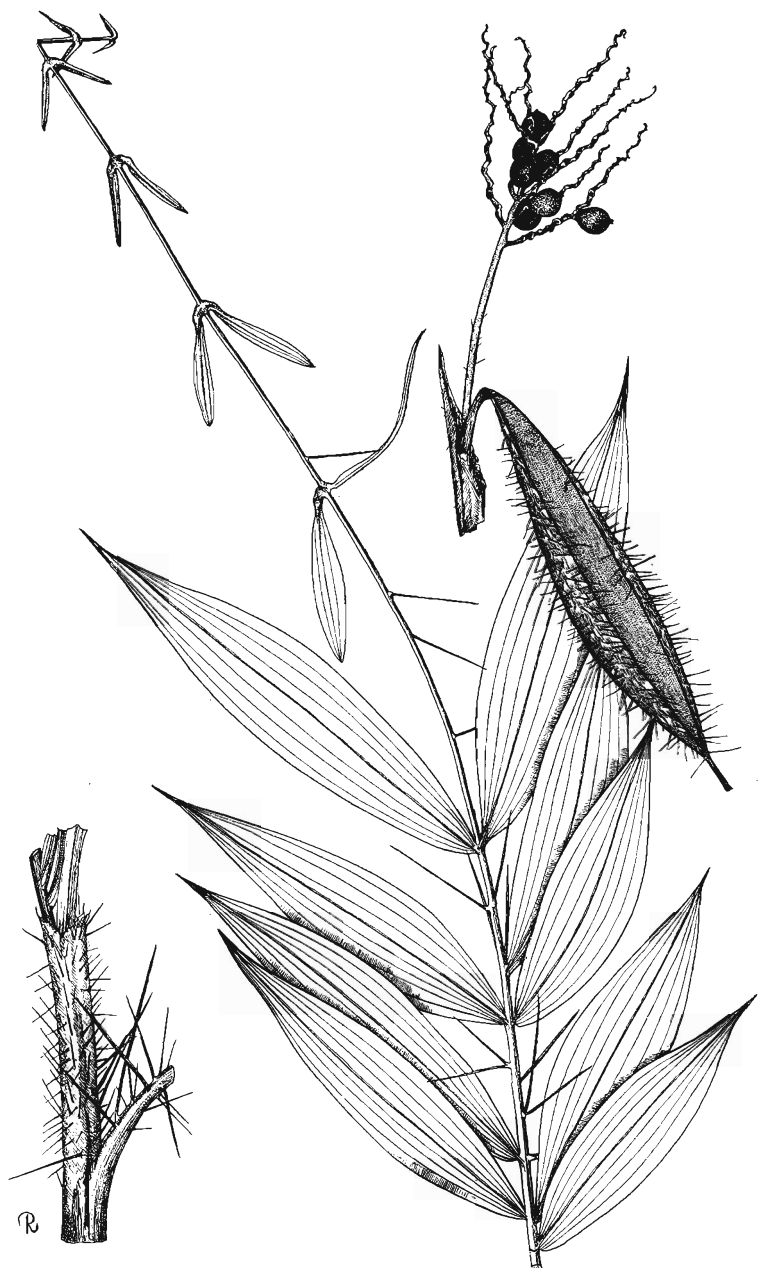
Slender but vigorous, tall-climbing: leaves thin, glabrous, green both surfaces, with opposite or scattered spines 3-5 cm. long on petiole and midcosta; pinnæ 10-12 or more, scattered or the upper ones opposite, lanceolate to elliptic-lanceolate, 12-20 cm. long, 2-3 cm. broad, acuminate, unarmed unless a spicule or two near apex, lateral longitudinal veins many but not very conspicuous; terminal unci or hooks broad, reflexed, not very sharp, thickened at base, 1-4 cm. long, lowest ones expanded: spathe narrow, 12-14 cm. long, 1.5-3 cm. broad, tapered to prominent point, covered loosely with short divaricate weak hair-like aciculæ, peduncle very short; spadix small, simple, about 9 cm. long, peduncle slightly aculeate; rachillæ very slender, prominently undulate; calyx cupulate, entire, about 2 mm. broad, exceeded somewhat by the pistil: fruit ellipsoid or obovoid, abruptly pointed, 1.5 cm. long, 1 cm. broad, unarmed.

Southwestern Venezuela, at Puerto Paez in Apure, *I. Velez* (of Puerto Rico) 2308.

† *Desmoncus vacivus*, spec. nov. Fig. 79.

Debillimus et ut videtur parvus, glaber, scandens, sparse armatus; caulis tenuis, 1 cm. vel minus crassus vaginis reticulatis apice: folia tenuia, viridia utrinque; pinnæ circa 5 paribus oppositis, lanceolato-ellipticæ, longiacuminatæ, 10-12 cm. longæ, 2-3.5 cm. latæ, costatæ; petiolus et costa media aculeis hamatis 1-2 mm. longis; hami terminales valde graciles, reflexi, circa 4 paribus, 2 cm. vel minus longi: fructus ellipsoidei, 2-2.5 cm. longi cum sicci, 2 cm. lati, apex brevissimus, glaber, inermis, scissus longitudine; semen valde reticulatum.

Very weak (powerless, *vacivus*) glabrous climber only minutely armed; stem thin, apparently not spiniferous, 1 cm. or less thick with short sheaths reticulate at apex: leaves thin, green both surfaces, with about 5 pairs of opposite lance-elliptic acuminate leaflets 10-12 cm. long and 2-3.5 cm. broad, lateral ribs prominent and intervening longitudinal veins not conspicuous; petiole and midrib bearing hooked prickles 1-2 mm. long; terminal hooks about 4 pairs at end of long cirrhus, reflexed, very slender, 2 cm. or less long; spathe not seen; spadix perhaps simple: fruit ellipsoid,



78. *DESMONCUS VELEZII* \times about $\frac{1}{3}$. Sheath and petiole-base at lower left. Spathe and spadix, with fruit, at upper right.