

SUMMARY

Supplementing my monograph of *Caraipa* (in *Mem. New York Bot. Gard.*, 29:82-130. 1978) three species are described as new.

Caraipa multinervia Kubitzki, nov. sp. (Fig. 1).

Arbor parva usque ad 6 m alta. Ramuli juniores glabri, lenticellis longitudinalibus praediti, longitudinaliter decorticantes; folia disticha, coriacea, glabra, laminae (ob-)lanceolatae, 2.5--3-plo longiores quam latiores, 7--14 cm longae et 2.5--5 cm latae, marginibus arcte revolutae, basi cuneato-angustatae, prorsum acutae apice ipsa anguste retusae vel breviter (usque ad 1 cm) acuminatae, costa subtus prominente et nervis lateralibus utrimque 15--22 margine adscendentibus subtus modice elevatis praeditae; petioli breves, crassi, rugosi, 0.5--1 cm longi. Flores ignoti; capsulae singulares vel binae ternaeque aggregatae terminales vel axillares cum pedicellis 1.5--2 cm longis et calyce cum limbis liberis brevibus (0.8 mm longis) suffultae, oblique-ovoidae, externe pilis stellatis minimis tomentellae; endocarpium fenestratum, ab exocarpio separatum, capsula generaliter monosperma.

TYPE: Brazil. Amazonas. Basin of Rio Negro, Rio Marié, village Macobeta, about 30 km upstream, margin of inundated blackwater forest: K. Kubitzki, C. E. Calderón & H. H. Poppendieck 79-202 (INPA, holotype; HGB, US, isotypes).

This is a quite distinctive new species of *Caraipa* which is well characterized by its presumably few-flowered inflorescences, its leaf shape and the high number of lateral nerves.

(*) Contribution of "Projeto Flora Amazônica".

(**) Institut für Allgemeine Botanik und Botanischer Garten, Universität Hamburg, 2000 Hamburg 52, Federal Republic of Germany.

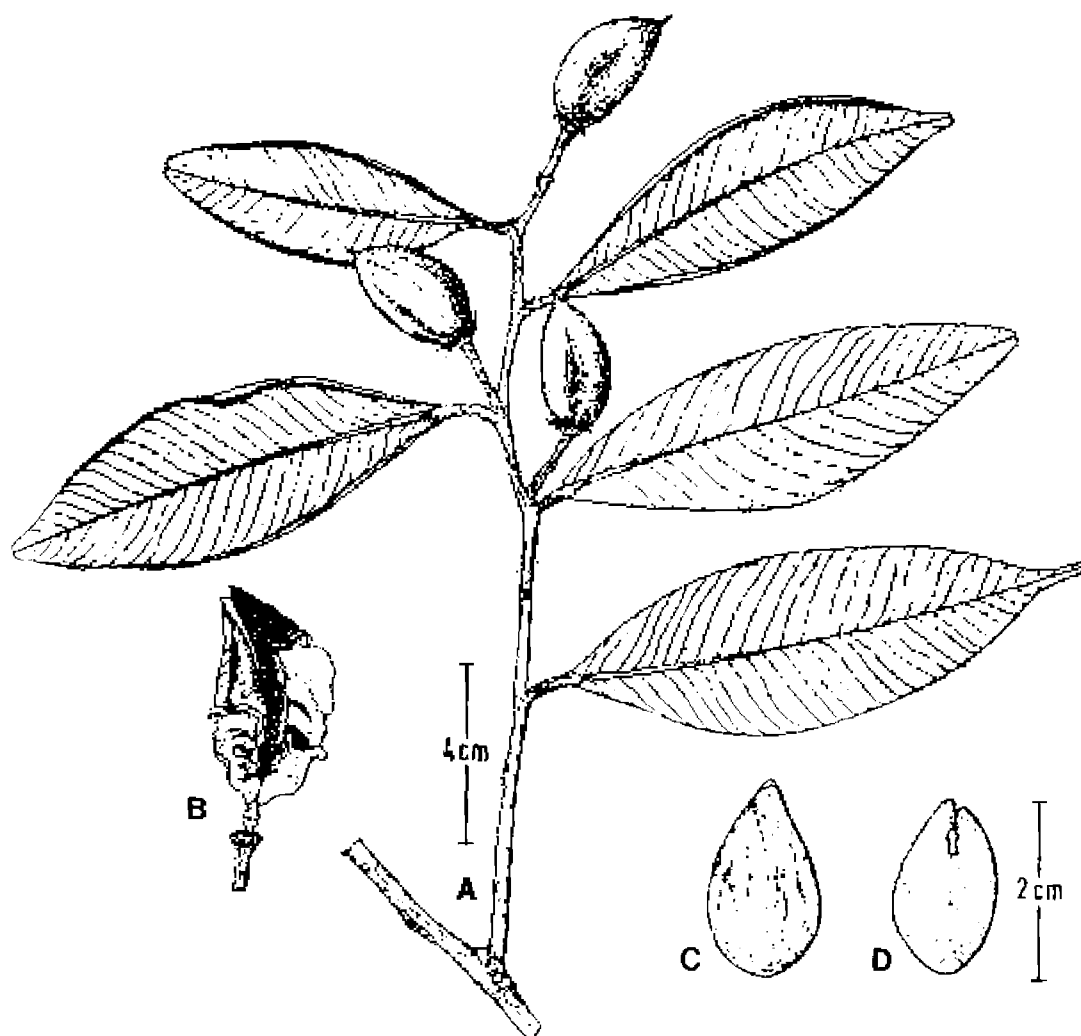


Fig. 1. *Caraipa multinervia* Kubitzki. A, habit; B, mature capsule; C, seed; D, embryo (all after type).

Caraipa aracaensis Kubitzki, nov. sp. (Fig. 2 A, B).

Frutex humilis 0.25 usque 1.5 m altus. Ramuli novelli ferrugineo-tomentelli glabrescentes. Folia spiraliter disposita; laminae crasse coriaceae, margine vulgo fortiter revolutae, ovatae vel ellipticae, 2.5 - 6 cm longae, 1.7 - 2.2 cm latae, basi obtusae vel rotundatae, apice rotundatae vel emarginatae, costa supra impressa subtus prominente et nervis lateralibus utroque latere 6 - 8 supra parum impressis subtus vix visibilibus praeditae, supra pilis ramificatis brevibus indutae, subtus pilis stellatis stipitatis densis incanae; petioli crassi, tomentelli, 2--5 mm longi. Flores ad extremos ramulorum singulatim vel in racemis paucifloris dispositi, 2 cm diametro metientes; sepala 5, depresse-ovata, persistentia et ferrugineo-tomentella 1.5 cm longa et 2-2.5 mm lata; petala elliptica dorsaliter partim pilosa ceterum glabra c. 1 cm longa; stamina circiter 200; filamenta glabra c. 6 mm longa; antherae ovoidae apice glandula cupuliforme praeditae. Gynoecium conicum, ferrugineo-villosum, cum stylo c. 4 mm longum. Capsulae plus minusque oblique ovoideo-fusifformes, indistincte trigonae, valvis aequalibus vel 2 latioribus et

l angustiore praeditae, pilis stellatis laxe tomentellae, 1.5-2.1 cm longae, 0.9-2 cm latae. Semina 3, appanata, ovata, c. 1.8 x 0.9 cm, margine angusto et hyalino praedita.

TYPE: Brazil. Amazonas. Serra Aracã, alt. 1000 m. Shrub on sand of igarapé: J. M. Pires 15021 (IAN, holotype; HBG, NY, isotypes).

Additional collections from same locality: South side of North Mountains, 1200 m: G. T. Prance et al. 28951 (fr.); surroundings of Serra: N. A. Rosa & S. B. Lira 2270 (y. fr.).

This new species is a small shrub of white sand streammargins that are periodically flooded. The growth form and shape of the fruit are very distinctive. *Caraipa llanorum* Cuatrecasas could be the most closely related species.

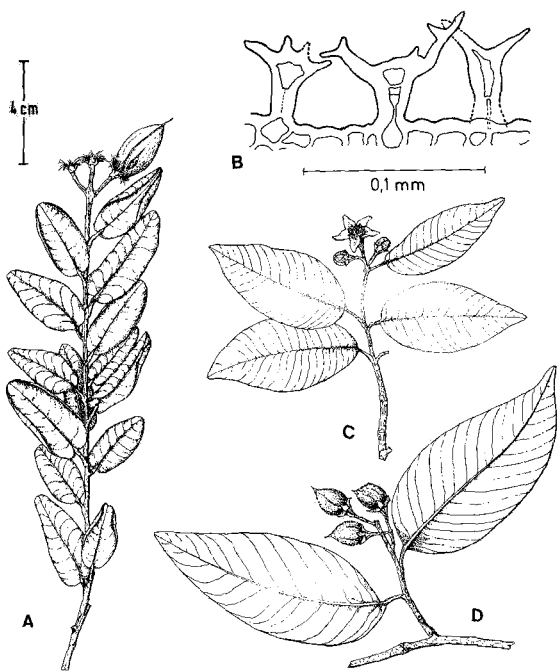


Fig. 2. *Caraipa aracaensis* Kubitzki. A, habit; B, transverse section of lower leaf epidermis (both after Prance et al. 28951); C, *C. longisepala*, habit (after Prance 29260); D, the same (after Prance 28832).

***Caraipa longisepala* Kubitzki, nov. sp.**

Frutex humilis 1--2.5 m altus. Ramuli tenues, glabri, cinerascetes.

Folia disticha, coriacea; laminae obovato-ellipticae, frequenter conduplicatae, margine vix revolutae, (1.8--2(--3.2)plo longiores quam latiores, basi obtusae, rotundatae vel late subcordatae, apice breviter (usque ad 0.5 cm) acuminatae vel obtusatae, costa supra immersa subtusque prominente et nervis lateralibus utrimque 7--18 subtus paullo elevatis margine adscendentibus et 0.5 mm a margine confluentibus praeditae; petioli tenues, glabri, 0.6--0.9 cm longi. Flores singulares axillares vel in racemis paucifloris terminalibus dispositi, 1.2 cm diametro metientes; pedicelli glabri, cicatricibus bracteolarum delapsarum praediti; alabastra subglobosa, ca. 6 mm longa; sepala 5, triangularia, acuta, margine ciliata, ceterum glabra, lobis liberis 3mm longis; petala externe stellato-puberula, alba; stamina ca. 220; ovarium stellato-tomentellum, stylo ca. 3mm longo stigmatibus tripartita coronatum; capsula immatura irregulariter trigono-pyramidata, laxe stellato-tomentella, 1.5 (vel magis?) cm longa.

TYPE: Brazil. Amazonas. Base of Serra Aracá, S of Central Massif, 3 km E of Rio Jauri, 0°49'N, 63°19'W, white sand savannas: G. T. Prance et al. 29260 (fl) (MG, holotype; HBG, INPA, NY, isotypes).

Additional collection from same locality: G. T. Prance et al. (y fr.) 28832 (HBG, INPA, NY).

This new species is reminiscent of *Caraipa savannarum* Kubitzki, but differs by its larger flowers and flower buds and its long, acute calyx lobes.

RESUMO

Como suplemento a minha monografia do gênero *Caraipa* (Mem. New York Bot. Gard., 29: 82-130, 1978) são descritas três espécies novas, *C. multinervia* Kub., *C. aracaensis* Kub. e *C. longisepala* Kub.

(Aceito para publicação em 19.11.1986)