

NEW SPECIES OF MARCGRAVIA (MARCGRAVIACEAE) FROM VENEZUELA

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Marcgravia maguirei de Roon, *sp. nov.* (plate 1).

Frutex scandens vel liana, ramis floriferis quadrangularibus, lenticellatis. Folia ramorum floriferorum petiolis 5–10 mm longis, circa 2 mm latis, canaliculatis; lamina coriacea elliptica ad oblonga, 7–12 cm longa, 4–4.5 cm lata, 1.5–2.5-plo longior quam latior, prope inflorescentiam minor, apice obtusa vel rotundata et acuminata, acumine 1 cm longo, basi plerumque acuta, interdum obtusa vel

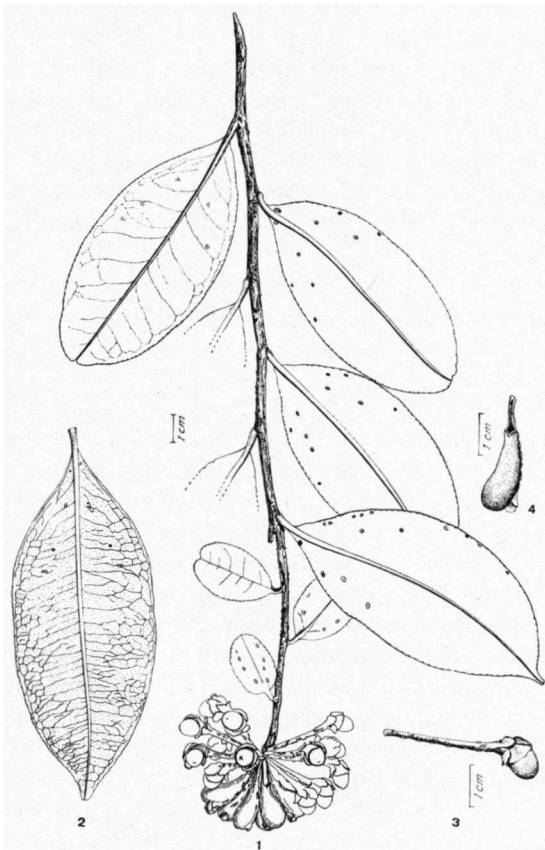


Plate 1. *Marcgravia maguirei*, habit, leaf from below, flower and nectary. Figs. 1, 3 and 4 after Maguire et al. 29838, fig. 2 after Maguire et al. 35357.

rotundata, costa subtus prominente, venis lateralibus plerumque supra subtusque prominentibus, interdum leviter prominentibus vel obsolete, venulis praesertim supra plerumque prominentibus, glandulis hypophyllis aliquot foviformibus, utroque 2-4 dimidio inferiore laminae, oblique seriatis, aliis minutis, punctiformibus, nigricantibus, numerosissimis, aequaliter dispersis. Flores in racemis umbelliformibus 15-25-floris; nectaria 5-7, cylindrico-vel clavato-saccata, cum stipite 2-2.5 cm longa, stipes 5-8 mm longus, cupula circa 1.5 cm longa; pedicelli 2-2.5 cm longi, angulum rectum cum floribus efformantes, lenticellati; bracteolae 2-3 mm longae, 2-4 mm latae, ad calycem insertae vel parum remotae; sepala 3-4 mm longa, exteriora 5-6 mm lata, interiora 8-10 mm lata; corolla ovoidea, circa 8 mm longa, minute apiculata; stamina 8-15, filamentis applanatis, in alabastro circa 3 mm longis, antheris 3-4 mm longis; ovarium cum stylo circa 4 mm longum, 6-8-loculare. Fructus ignotus.

TYPUS: Venezuela: Amazonas: Cerro Huachamacari, Río Cunucunuma, camp 2 to escarpment, 1200-1500m. alt., December 5, 1950, *Maguire, Cowan & Wurdack 29838* [holotype U, isotype (not seen by the author) NY].

Paratypes: Venezuela: Amazonas: Cerro Yutaje, woodland along stream, *Maguire & Maguire 35357* (NY, U); Cerro Sipapó (Paráque), montane mixed forests above Caño Grande, 1 km N.W. savanna camp, alt. 1500m., *Maguire & Politi 28012* (NY, U); Cerro Sipapó (Paráque), mixed forest slopes above lower escarpment above Caño Grande, alt. 4500 ft., *Maguire & Politi 28520* (NY, U).

The species is related to *Marcgravia sororopaniana* Steyermark, from which it is distinguished by the shape of the nectaries and by the dotted lower surface of the leaves.

***Marcgravia nubicola* de Roon, sp. nov. (plate 2).**

Frutex epiphyticus vel liana, ramis angularibus, lenticellatis. Folia ramorum floriferorum petiolis 5-8 mm longis, 2 mm latis, canaliculatis; lamina coriacea, oblonga vel interdum elliptico-oblonga vel obovato-oblonga, 7-14 cm longa, 4-5.5 cm lata, 2-3-plo longior quam latior, prope inflorescentiam difformis vel bracteiformis, apice breviter acuminata, basi acuta ad obtusa, costa subtus crassa prominente, venis lateralibus in sicco interdum undulatis et supra subtusque leviter prominentibus vel interdum obsolete, glandulis hypophyllis paucis, magnis et conspicuis, utroque 1-3 laminae dimidio inferiore oblique seriatis. Flores in racemis umbelliformibus circa 25-30-floris, rhachide 1-1.5 cm longa; nectaria circa 6, clavata, plerumque breviter stipitata, cum stipite ad 3 cm longa, stipes 5-10 mm longus, ascidium 1-2 cm longum, ore plus minusve rotundato; pedicelli ad 2.5 cm longi, perbreviter puberuli, glabrescentes, lenticellati, angulum rectum cum floribus efformantes; bracteolae minutae, a calyce circa 1 cm remotae vel abortivae; sepala suborbicularia vel late semiorbicularia, 2-3 mm longa, 4-7 mm lata, intra marginem glandulis internis; corolla ovoidea, circa 7 mm longa, circa 4-5 mm diametro; stamina circa 11-15,

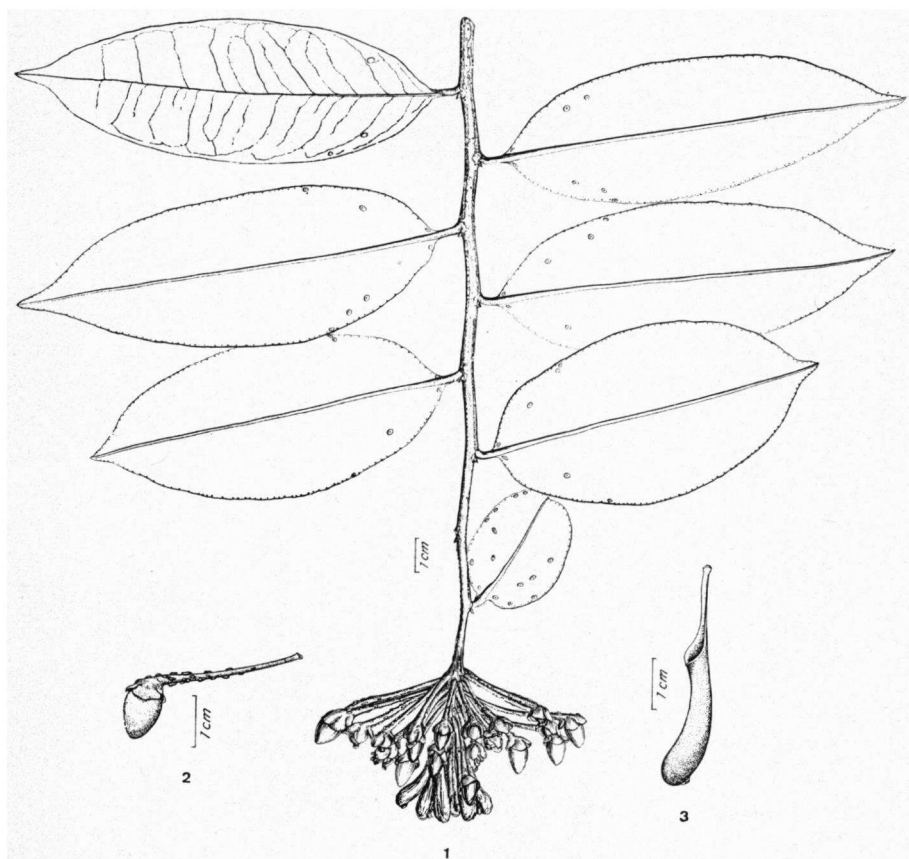


Plate 2. *Marcgravia nubicola*, habit, flower and nectary, after Steyermark et al. 90942 and 94399.

filamentis applanatis, in alabastro circa 3 mm longis, antheris circa 3–4 mm longis, basi sagittatis; ovarium 6–9-loculare. Fructus ignotus.

TYPUS: Venezuela: Estado Yaracuy: Cerro La Chapa, selva nublada al norte de Nirgua, alt. 1200–1400 m., Nov. 9–10, 1967, Steyermark, Bunting & Wessels Boer 100301 (holotype U; isotype VEN).

Paratypes: Venezuela: Distrito Federal: Wet virgin forest on slopes along old road between “Portachuelo” and “Peñita” (Petaquire) and Carayaca, between Colonia Tovar-Junquito road and Hacienda El Limón, 6–8 mi. below junction of Junquito-Colonia Tovar road, alt. 1300–1500 m., Steyermark & Farinas 90942 (VEN), and Steyermark 94399 (U, VEN).

The species shows some resemblance to *Marcgravia tobagensis* but has a much more contracted inflorescence and larger and more conspicuous hypophyllous glands.



Plate 3. *Marcgravia patellulifera*, habit, flower and nectary. Fig. 1 after *Aristeguieta 4460*, figs. 2 and 3 after *Steyermark et al. 95168*.

***Marcgravia patellulifera* de Roon, *sp. nov.* (plate 3).**

Frutex scandens epiphyticus vel liana, ramis quadrangularibus, lenticellatis. Folia ramorum floriferorum subsessilia, petiolis 1–3 mm longis, circa 2 mm latis; lamina oblanceolata vel elongato-oblonga ad oblonga, 7–13 cm longa, 2–3 cm lata, (2.5-)3–5-plo longior quam lator, praeter folium summum infra inflorescentiam difformem, ad 3.5 cm latum, apice acuminata, acumine 1.5–2 cm longo, basi obliqua, costa subtus prominente, venis lateralibus in sicco leviter prominentibus vel obsolete, glandulis hypophyllis variantibus, numerosis, singulis vel binis foviformibus utrinque ad costam, aliis patelluliformibus, plerumque manifestis, (1-)3–5 mm infra marginem seriatim dispositis. Flores

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in racemis umbelliformibus circa 15–20-floris, rhachide circa 1 cm longa; nectaria saepe duo, clavato-urceolata, ad circa 3 cm longa, ad circa 8 mm diametro, ore rotundato, margine cum apiculo, plerumque leviter recurvata, stipes circa 5 mm longus; pedicelli 4.5–6 cm longi, lenticellati; bracteolae circa 2 mm longae, 2–3 mm latae; sepala late suborbicularia, 3–5 mm longa, 5–7 mm lata; corolla subconoideo-ovoidea, circa 13 mm longa; stamina circa 45–55, filamentis filiformibus, inaequalibus, in alabastro 4–8 mm longis, antheris linearibus, 4–5 mm longis; ovarium cum stylo circa 5 mm longo, 3–4 mm in diametro, 6–10-loculare. Fructus subglobosus, stylo persistente ornatus.

TYPUS: Venezuela: Carabobo: Selva siempre verde a lo largo del Río San Gián, al sur de Borburata, arriba de la Planta Eléctrica, entre Los Tanques y La Toma, alt. 750 m, March 27–28, 1966, *Steyermark & Steyermark 95168* (holotype U; isotype VEN).

Paratypes: Venezuela: Carabobo: Selva nublada de Borburata, alt. 600 m, *Aristeguieta 4460* (U, VEN); between Valencia and Las Trincheros, *Williams 11037* (US); Aragua: Rancho Grande, selva nublada, *Schnee 1278* (MAR).

The species can be distinguished from the other species of the subgenus *Orthothalamium* by its foliar characters, especially by the shape and the arrangement of the hypophyllous glands.

ACKNOWLEDGEMENTS

The author is much indebted to Dr. K. U. Kramer and Mr. L. Y. Th. Westra for correcting the Latin descriptions and the English text, and to Miss E. M. Hupkens van der Elst and Mr. T. Schipper for preparing the figures.