

## NOVITATES VOCHYSIACEARUM II

F. A. STAFLEU

(Botanical Museum and Herbarium, Utrecht)

(received February 22nd, 1957)

1. **Vochysia lanceolata** Stafleu, Tropical Woods 102: 49. fig. 1. 1956 (*descr.*); (this publication fig. 1a and b).

*Vochysia* sectio *Ciliantha* Stafleu, subsectio *Ferrugineae* Warming. A *V. vismitifolia* Spruce ex Warming stipulis incrassatis, foliis lanceolatis longe acuminatis, floribus calcari longo modice incurvo, petalo intermedio stamen aequante, stigmati terminali parvo instructis differt.

*Holotypus*: "coll. unknown" (comm. D. Allen) in U, fl. 14 Nov. 1953. PERU, Nanay River near Iquitos, altitude 100 m., "quillo sisa", tree more than 100 feet high, on clayey soil about 20 feet above river (Isotypes: US 2104976, Y 47782).

2. **Vochysia spathiphylla** Stafleu nov. spec. (fig. 1c and d).

*Vochysia* sectio *Ciliantha* Stafleu, subsectio *Ferrugineae* Warming. A *V. lomatophylla* Standley petiolis crassioribus, laminis anguste spatulatis, subtus ferrugineo-tomentellis, supra praesertim ad nervos subsericeis, alabastris calcari magno valde recurvo instructis, filamento longiore, stylo stigmati terminali munito differt.

Arbor. Ramuli, petioli, stipulae, inflorescentia, foliorum pagina inferior indumento ferrugineo-canescente instructi, stipulae ovatae, acutae, c. 3–5 mm longae. Folia quaternata, petiolo c. 7–10 mm longo, 5–6 mm lato, lamina spatulata, c. 22–24 cm longa, c. 6–7 cm lata, apice rotundata, versus basin sensim in petiolum attenuata sed basi ipsa rotundata, supra praesertim ad nervos subsericea; nervis supra haud prominentibus, lateralibus subtus valde prominentibus, majoribus utrinque c. 20–25, sub angulo c. 60–80°e costa ortis a nervo limbali proxime marginem junctis, venulis supra haud conspicuis, subtus reticulatis. Inflorescentia densiflora, cincinnis 3–5-floris, pedunculis c. 12–15 mm longis, pedicellis c. 5–8 mm longis, alabastris ad 15 mm longis, haud recurvis, obtusis, calcari valde recurvo c. 14–18 mm longo, cylindrico, c. 3 mm lato instructis. Petala spatulata; intermedium c. 10–12 mm longum, dorso dense pilosum; lateralia modice breviora. Stamen intus pilosum, anthera c. 7 mm longa, filamento c. 3–4 mm longo; staminodia c. 1 mm longa, glabra. Stylus glaber, stigmati terminali parvo instructus.

*Holotypus*: Paul H. Allen 3248 in US; COLOMBIA, Vaupès, Cabeceras del Cubiyu, fl. 8 Dec. 1943. Tree, 12 m, flowers orange.

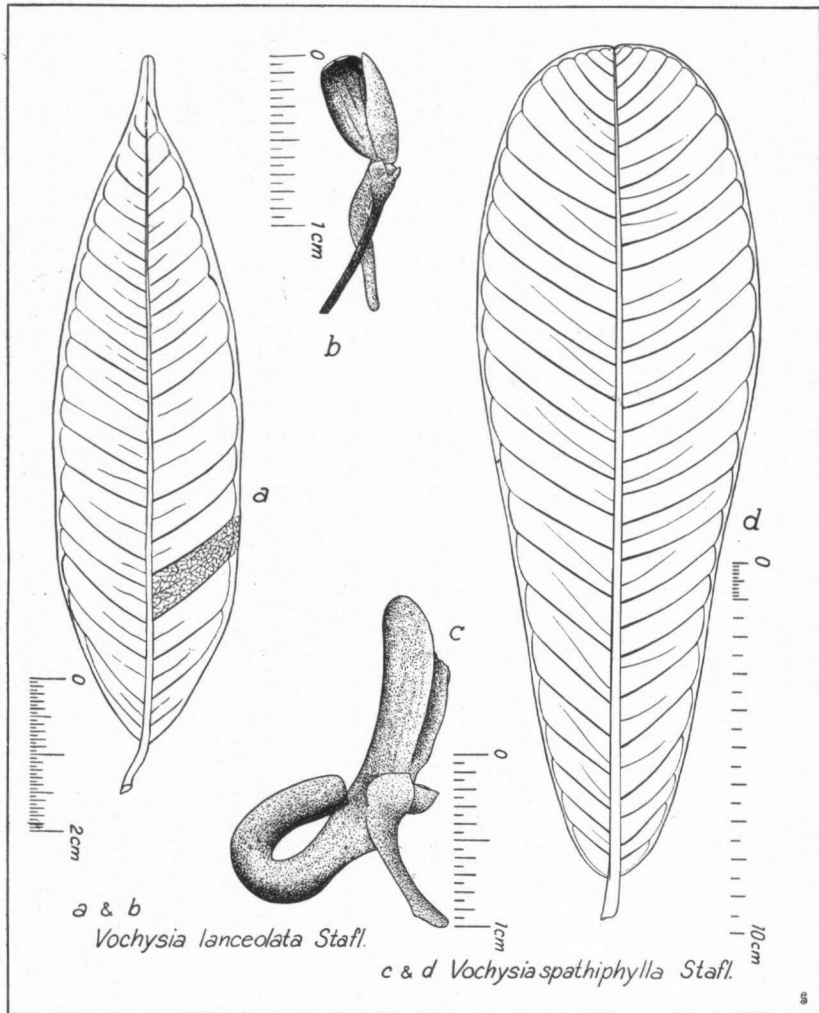


Fig. 1. *Vochysia lanceolata* Stafleu, a. leaf, b. flower; *Vochysia spathiphylla* Stafleu, c. flower, d. leaf.

3. ***Vochysia artantha*** Stafleu nov. spec. (fig. 2a and b).

***Vochysia*** sectio *Ciliantha* Stafleu, subsectio *Ferrugineae* Warming, A. *V. calamana* Stafleu stipularum basibus linea prominula ramulum transiente connexis, foliis majoribus basi acutis, nervis lateralibus paucioribus in reticulum venularum excurrentibus, floribus petalo intermedio stamen aequante munitis differt.

Arbor satis magna. Ramuli juveniles, petioli, stipulae, folia juvenilia, ramuli inflorescentiae parce pilosi, demum glabrescentes. Stipulae triangulares, acuminatae, 1–2 mm longae, eae foliorum opposi-

torum basibus linea prominula ramulum transiente connexis. Folia opposita, petiolo c. 12–14 mm longo, lamina elliptica vel suboblancoolata, c. 10–12 cm longa, c. 3–4 cm lata, apice breviter obtuse acuminata, basi acuta, nervis supra haud prominentibus, lateralibus subtus prominentibus, utrinque c. 10, sub angulo c. 40–50° e costa ortis, prope marginem curvatis in reticulum venularum excurrentibus. Inflorescentia densiflora, cincinnis bifloris, pedunculis c. 3–4 mm longis, pedicellis c. 3–6 mm longis, alabastris ad 10 mm longis, parum

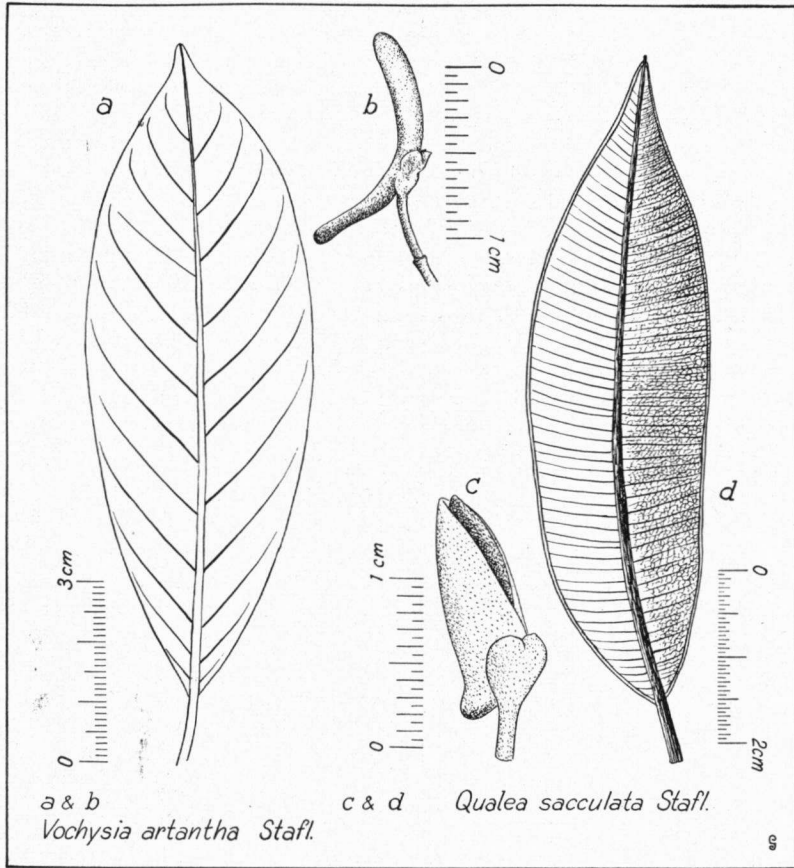


Fig. 2. *Vochysia artantha* Stapf, a. leaf, b. flower; *Qualea sacculata* Stapf, c. flower, d. leaf.

recurvis, obtusis, calcari parum recurvo c. 6–7 mm longo, apice incrassato instructis. Petala subelliptica, intermedium stamen aequans, c. 7 mm longum, dorso parce pilosum, lateralia c. 4 mm longa. Stamen pilosum, anthera c. 6 mm longa, filamentum c. 1 mm longo. Staminodia c.  $\frac{1}{2}$  mm longa, ciliata. Stylus glaber, stigmatibus laterali c.  $\frac{3}{4}$  mm diam. instructis.

*Holotypus*: Paul H. Allen 3347 in US; COLOMBIA, Vaupès, vicinity of Mitu, fl. 21 March 1945. Trees averaging 30 m., "occurring as scattered colonies on slight prominences in otherwise nearly flat but unflooded forest".

4. ***Qualea sacculata*** Stafleu nov. spec. (fig. 2c and d).

*Qualea* subgenus *Qualea*, sectio *Trichanthera* Stafleu. A. *Q. rubiginosa* Stafleu glandulis semiglobosis, foliis longe petiolatis, acuminatis subtus persistenter tomentosis, alabastris fusiformibus, obtusis, floribus calcari sacculato, stylo glabro, ovario lanuginoso munitis differt.

Arbor. Ramuli juveniles, petioli, inflorescentia, foliorum pagina inferior indumento ferrugineo instructi. Glandulae semiglobosae, c.  $1\frac{1}{2}$  mm diam. Petioli c. 8–10 mm longi. Lamina rigide coriacea, lanceolata vel lanceolato-elliptica, c. 7–8 cm longa, c. 2–3 cm lata, apice acuminata, basi obtusa; nervis supra haud prominentibus, lateralibus subtus prominentibus, ultra 15 per cm, venulis numerosis. Inflorescentia pauciflora, cincinnis 1–2-floris (?), pedunculis et pedicellis haud visis, alabastris fusiformibus, obtusis, c. 11–13 mm longis, c. 3–4 mm latis, calcari sacculato, brevissimo, c. 1–2 mm longo instructis. Calycis laciniae minores subovatae, rotundatae, c. 2–3 mm longae, lacinia major c. 13 mm longa. Petalum glabrum, orbiculare, apice rotundatum. Anthera barbata, lineari-oblonga, acuta, c. 7 mm longa. Filamentum in alabastro c. 2 mm longum, expansum haud visum. Ovarium subconicum, dense lanuginosum, sensim in stylum transiens, indumento styli partem  $1/6$ – $1/10$  inferiorem occupante.

*Holotypus*: H. García-Barriga 13828 in US; COLOMBIA, Vaupès, Rio Apaporis, entre los ríos Kananarí y Pacoa, alt. 250 m., fl. 1–15 Dec. 1951. "Arbol 15 m.; flores verde-amarillentas".