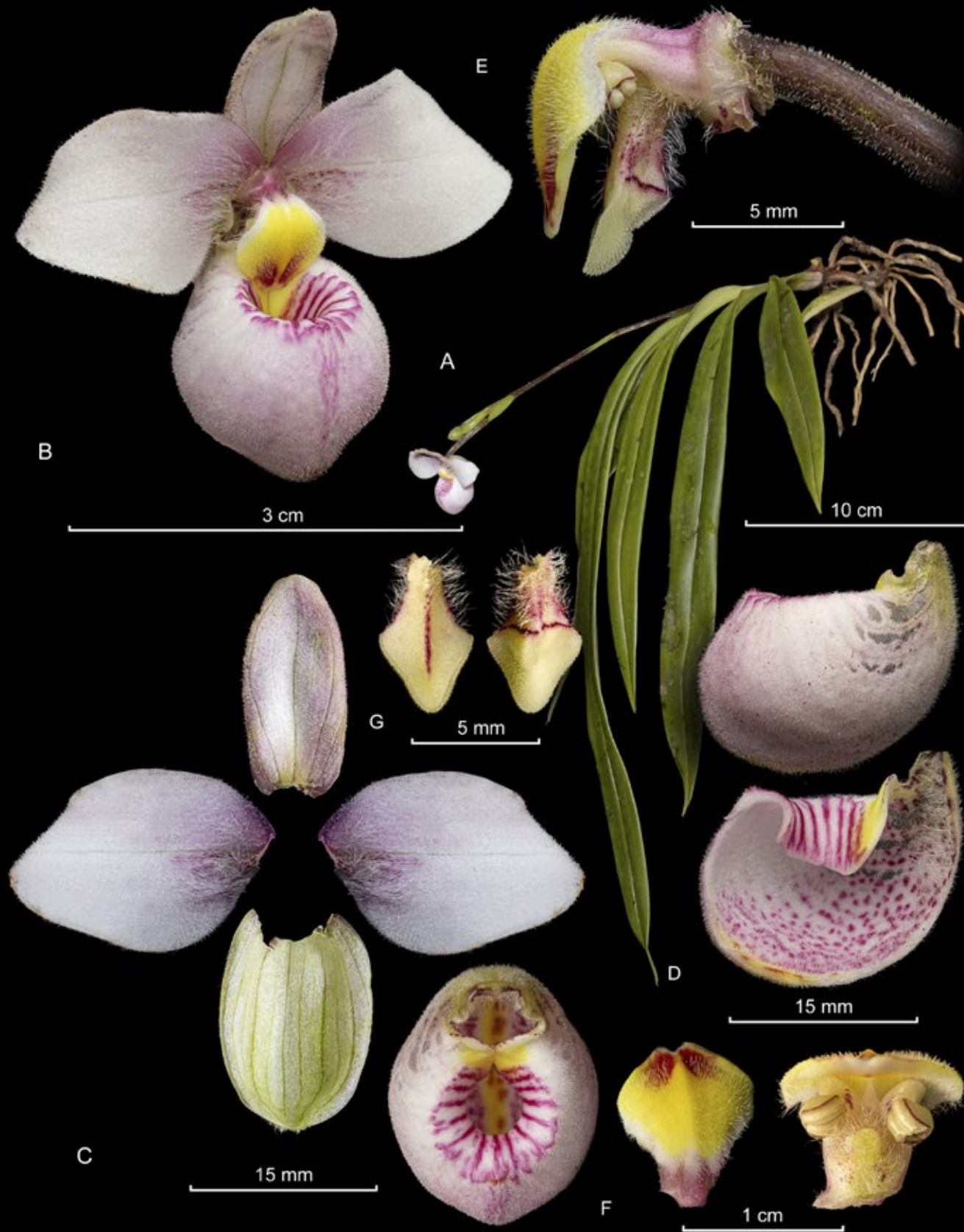


Phragmipedium schlimii

(LINDEN EX RCHB.F.) ROLFE
ORCHID REV. 4(47): 332. 1896



Synonyms: *Selenipedium schlimii* Linden ex Rchb.f., *Bonplandia* 2: 277-278. 1854
Cypripedium schlimii (Linden ex Rchb.f.) Bateman, *Curtis's Botanical Magazine*, 3rd series, 22: t. 5614. 1866.
Paphiopedilum schlimii (Linden ex Rchb.f.) Stein, *Orchid.-Buch* 483. 1892.

Type: Colombia. "Ocaña, Février [1852], 4000 fts endroits humides", L.J. Schlim 407 (holotype, W).

Illustrated specimen: Colombia. Antioquia: Municipality of Yarumal, Reserva Natural Los Magnolios, 1500 m. 21 September 2019. S. Vieira 054 (LCDP voucher).

Terrestrial caespitose herb. Leaves lanceolate to ensiform, coriaceous, conduplicate with margins finely revolute, 10–30 × 2.5–3.0 cm. Inflorescence racemose with velutinous peduncle, rarely branched, 15.7 cm tall, 1–2 flowers; floral bracts triangular and compressed, very soft velutinous, 2–3 × 1.4–2.0 cm. Flowers pale pink to lavender petals crimson stained towards the base, especially at the base, the lip pale pink to pink with a crimson brushstroke, inner edges striped with pale pink and crimson with a yellow spot at the edges below the column, crimson spots within, concentrated at the center. Dorsal sepal slightly concave and arched forward, elliptic to oblong, truncate, sericeous, 1.7–1.8 × 0.8 cm. Synsepal elliptic, obtuse, rounded, slightly concave, sericeous, 1.8 × 1.2 cm. Petals minutely pubescent, slightly ovate, obtuse, oblique, convex, asymmetric, the apical half recurved, 2.1 × 1.5 cm. Lip orbicular, deeply saccate with an external central soft keel from the narrow entrance to the back, fenestrations on each side of the upper back, sericeous to villose at the internal basal face 2 × 2 cm. Column 3–5 mm long, the staminode yellow with a brownish frontal spot, minutely pubescent, rhomboid to ovate, apiculate, carinate, 10 × 7 mm; lateral anthers and stigma hidden by the staminode; stigma lobate, attenuate. Ovary dark crimson, pubescent 5–9 cm long, generally larger than the bracts.

Eponymy: Named in honor of the Belgian botanist Louis Joseph Schlim, half brother to Jean Linden

Phragmipedium schlimii is endemic to Colombia. It can be recognized by the lithophytic habit, growing in abrupt, moist slopes among leafy debris, bearing little delicate whitish-pink

fluffy flowers which differ from those of its relatives by a spherical pouch with dorsal fenestrations. It has been reported in the West, Central and north of the Eastern Andean Cordilleras, between 1200–2000 m in elevation. The *P. schlimii* group includes four more species: *P. fischeri* Braem & Mohr, *P. andreetae* Cribb & Pupulin, *P. manzurii* Higgins & Viveros and *P. anguloi* Braem, Tesón & Manzur which differ in flower color, the pouch and staminode shape and details of their vegetative morphology. The distinctness of some of these species is debated, Braem & Tesón (2016) and Cribb & Purver (2017) consider *P. manzurii* a form or variation of *P. schlimii*. Autogamy has been observed in *P. schlimii* and *P. fischeri*.

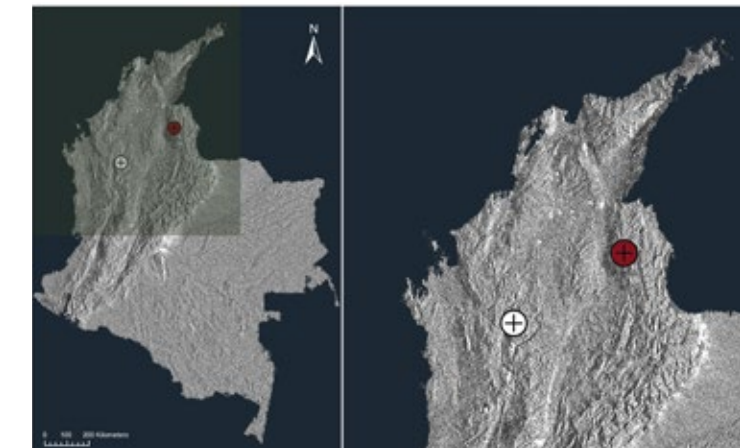
References:

Bateman, J. 1866. *Cypripedium schlimii*. *Bot. Mag.* 22(253): Tab 5614.

Braem, G.J., & Tesón E. 2016. A revision of the *Phragmipedium schlimii* Complex (Orchidaceae: Cypripedioideae). *Richardiana* 16: 293-321.

Cribb, P., & Purver, C. 2017. *Slipper Orchids of the Tropical Americas*. Natural History Publications and The Orchid Digest in association with Royal Botanic Gardens, Kew.

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LCDP: *Phragmipedium schlimii* (Linden ex Rchb.f.) Rolfe. A. Habit. B. Flower. C. Dissected perianth. D. Dissected lip, abaxial and adaxial view. E. Column, side view. F. Column without stigma, dorsal and ventral view. G. Stigma, dorsal and ventral view.

