

***EURYSTYLES RUTKOWSKIANA* (ORCHIDACEAE, SPIRANTHINAE), A NEW SPECIES FROM BRAZIL**

DARIUSZ L. SZLACHETKO

Abstract: A new orchid species from Brazil – *Eurystyles rutkowskiana* Szlach. – is described and illustrated. Its taxonomic position is briefly discussed.

Key words: Magnoliophyta, Liliopsida, Orchidaceae, Spiranthinae, *Eurystyles*, taxonomy, Brazil

Dariusz L. Szlachetko, Department of Plant Taxonomy and Nature Conservation, Gdańsk University, Al. Legionów 9, PL-80-441 Gdańsk, Poland, e-mail: biodarek@univ.gda.pl

While working on a taxonomic revision of the genus *Eurystyles* Wawra (Orchidaceae, Spiranthinae) I found interesting specimens from Brazil which did not fit the descriptions of any species known so far. I think they deserve to be described as a new species.

***Eurystyles rutkowskiana* Szlach., sp. nov.** (Fig. 1)

Species haec E. paranaensi appropinquat sed formam proportionemque labelli differt. Labellum sub apicem constrictum; unguis brevis et latus, auriculae angustae, apiculatae, dilatatae, hypochilium inferne taeniiforme, superne dilatatissimum, triangulari-ovatum, lobis lateralibus obtusis, epichilium subquadratum, transversaliter ellipticum, apiculatum, dense ciliatum.

Epiphyte. Plants tiny, delicate. Leaves about 10, forming a basal rosette, petiolate; petiole up to 5 mm long, narrow; blade up to 8 mm long and 6 mm wide, oblanceolate to spatulate, short apiculate, thin, densely and minutely ciliate along margins. Flowering stem up to 32 mm long, pendulous, densely ciliate, with no sterile bracts. Inflorescence 13–15 mm long, up to 10-flowered, very dense, capitate. Flowers nonresupinate, tubular, erect. Ovary up to 3.5 mm long, erect, glabrous. Floral bracts up to 9 mm long, ovate-lanceolate, apiculate, herbaceous, densely ciliate along margins. Floral segments very thin, delicate, single-nerved, forming a clear sepaline tube, almost glabrous outside. Dorsal sepal 5 mm long, 1

mm wide, oblong, obtuse, sparsely ciliate outside. Petals 4.6 mm long, 1 mm wide, obliquely oblong-spatulate, subobtuse, adhering to dorsal sepal. Lateral sepals 5.5 mm long, 1 mm wide, oblong, obtuse, slightly oblique, subdensely ciliate along the nerve. Lip clawed, thin, delicate, semitransparent; the claw up to 3 mm long, slightly cochleate; auricles up to 1 mm long, narrow, slender, apiculate, widely spread; hypochile 4.5 mm long, 1.6 mm wide at apex, ribbon-like in basal half, triangular-ovate in apical part, with blunt side lobes; epichile 1 mm long, 1.5 mm wide, subquadrate-transversely elliptic, apiculate, densely ciliate, especially along margins. Gynostemium 7 mm long, slender, slightly sigmoid. Stigma entire. Rostellum 0.4 mm long, viscidium 0.25 mm long. Anther 1.5 mm long, oblong-ovate, blunt at apex. Pollinia 1.8 mm long.

TYPE: BRAZIL. “Epiphyt im Walde der Tijuca,” 25 April 1896, *Ule 4011* (HOLOTYPE: HBG).

ETYMOLOGY. Dedicated to my colleague, Dr. Piotr Rutkowski of Gdańsk University.

DISTRIBUTION. Known so far from the type locality.

NOTE. The new species appears to be related to *Eurystyles paranaensis* (Schlecht.) Schlecht., but the lip has a different shape and proportions. The lip of *E. rutkowskiana* is about 4 times longer than wide, shallowly constricted near the apex; the

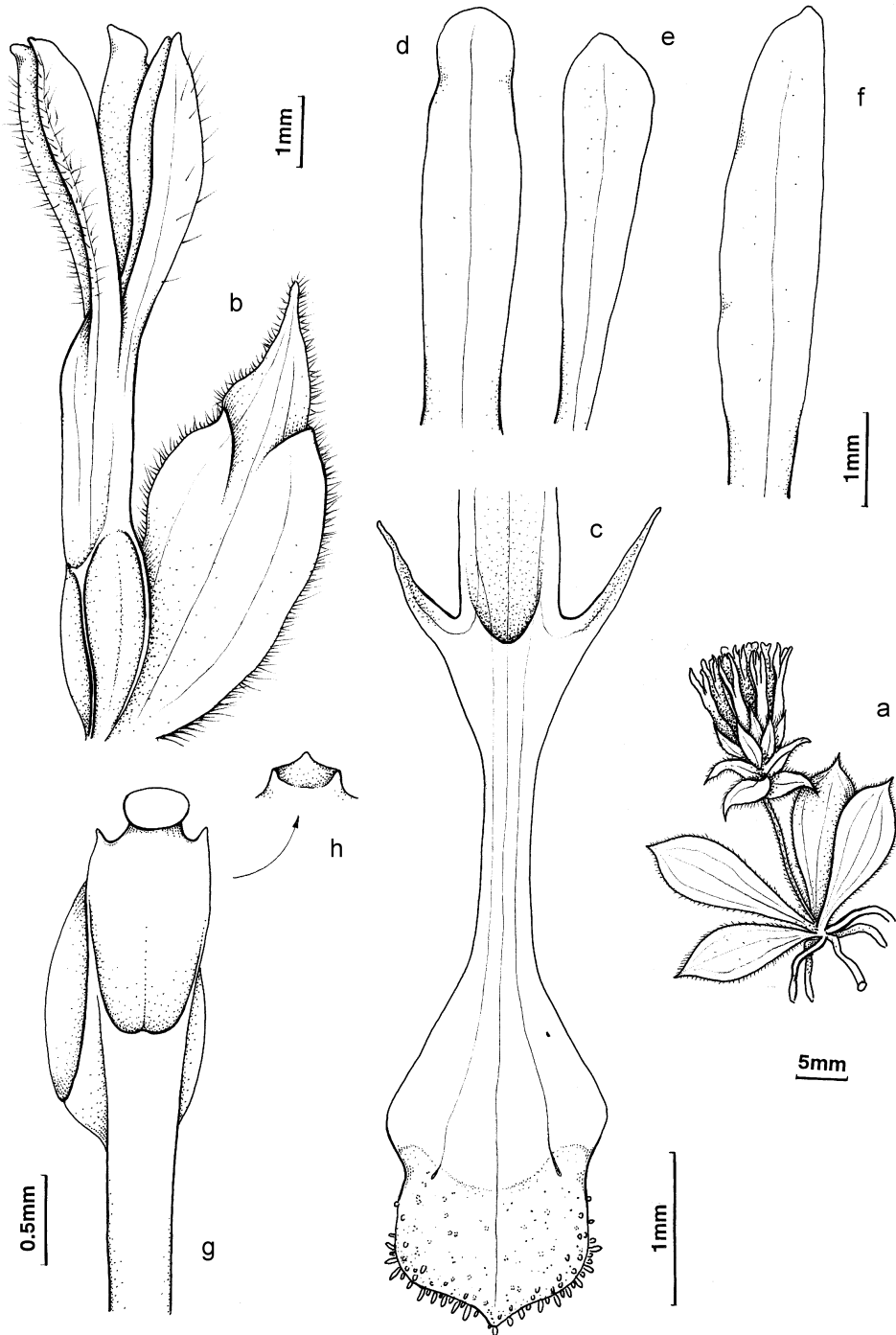


Fig. 1. *Eurystyles rutkowskiana* Szlach.: a – habit, b – flower and bract, c – lip, d – dorsal sepal, e – petal, f – lateral sepal, g – gynoecium, bottom view, h – rostellum remnant (holotype – HBG).

claw is short and wide; the auricles are very narrow, apiculate, widely spread; the basal part of the hypochile is narrow, ribbon-like, abruptly widened and triangular-ovate above with obtuse side lobes; the epichile is subquadrate-transversely elliptic, apiculate, densely ciliate. The lip of *E. paranaensis* is about 3 times longer than wide, oblong-obovate in outline above the lip auricles, en-

tire, with a rounded apical margin; the auricles are linear-falcate, blunt at the apex.

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