



Two new greenish *Encyclia*: *E. parkeri* and *E. silverarum* (Laeliinae, Orchidaceae)

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Abstract

Two new species of *Encyclia* are proposed, *E. silverarum* and *E. parkeri*. Both species belong in the *Encyclia chloroleuca* complex, conformed also by *E. chloroleuca*, *E. elegantula*, and *E. peraltensis*, among others. *Encyclia silverarum* is known only from Panama. This species is very similar to *Encyclia chloroleuca*, but it is distinguished by the color of its sepals and petals (pale green-yellowish brown) and the falcate and proportionally short (<0.60 vs. >0.80 cm long) side lobes of the labellum. *Encyclia parkeri*, known only from Colombia (Department of Valle del Cauca), also is similar to *Encyclia chloroleuca*; however, it is distinguished by its flowers with olive-green to ochre petals and sepals, labellum creamy white, with the central lobe with many keels (at least three), all warty and usually slightly tinged red-purple.

Key words: Colombia, Panama, Valle del Cauca, Dagua, taxonomy, *Encyclia chloroleuca*, *Encyclia amanda*, *Encyclia peraltensis*, *Encyclia thienii*, *Encyclia elegantula*

Resumen

Dos nuevas especies de *Encyclia* son propuestas, *E. silverarum* y *E. parkeri*. Ambas especies pertenecen al complejo *Encyclia chloroleuca*, conformado además por *E. chloroleuca*, *E. elegantula*, *E. peraltensis*, entre otras. *Encyclia silverarum* se conoce sólo de Panamá. Esta especie es muy similar a *Encyclia chloroleuca*, aunque se distingue por el color de sus sépalos y pétalos (verde pálido-café amarillento) y los lóbulos laterales del labelo falcados y proporcionalmente cortos (<0.60 vs. >0.80 cm de largo). *Encyclia parkeri* se conoce sólo de Colombia (Departamento de Valle del Cauca) y también es similar a *Encyclia chloroleuca*, sin embargo se distingue por sus flores con sépalos y pétalos verde oliva a ocre, con labelo blanco cremoso el lóbulo central del labelo con varias quillas (al menos cinco), todas verrugosas y ligeramente teñidas de rojo-púrpura.

Introduction

William Jackson Hooker described *Encyclia* Hooker (1828: pl. 2831) based on a plant grown by Arnold Harrison, which was collected in the vicinity of Rio de Janeiro (Brazil) and brought to England by his brother William Harrison. The plant was named *Encyclia viridiflora* Hooker (1828: pl. 2831). Since then, more than 150 species have been described. The species of this genus grow preferentially in seasonally dry ecosystems, from Florida in the United States of America to northern Argentina. Usually they are found at altitudes below 1200 m, although some species, such as *Encyclia tuerckheimii* Schlechter (1918a: 410), reach up to ca. 2500 m (van den Berg & Carnevali 2005).

Taxonomically, *Encyclia* is a difficult genus for three reasons: (i) its circumscription has changed drastically, especially in the last 10–15 years (Dressler 1961, Saulea 1988, Higgins 1997, 2001, 2002, Withner 1998, van den

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Appendix 1

VALID NAMES AND SYNONYMS IN THE SPECIES COMPLEX *ENCYCLIA CHLOROLEUCA*

[Names in bold refer to accepted species]

1. *Encyclia amanda* (Ames) Dressler = ***Encyclia chloroleuca*** (Hook.) Neumann
2. *Encyclia acuta* Schltr. = ***Encyclia chloroleuca***
3. ***Encyclia chloroleuca***
4. ***Encyclia elegantula*** Dressler
5. *Encyclia maravalensis* Withner = ***Encyclia chloroleuca***
6. ***Encyclia parkeri*** Reina-Rodríguez & Leopardi
7. ***Encyclia peraltensis*** (Ames) Dressler
8. ***Encyclia silverarum*** Leopardi & Carnevali
9. *Encyclia thienii* Dodson = ***Encyclia chloroleuca***
10. *Encyclia viridiflava* L.C.Menezes = ***Encyclia chloroleuca***
11. *Epidendrum acutum* (Schltr.) A.D.Hawkes = ***Encyclia chloroleuca***
12. *Epidendrum amandum* Ames = ***Encyclia chloroleuca***
13. *Epidendrum chloranthum* Lindl. = ***Encyclia chloroleuca***
14. *Epidendrum chloroleucum* Hook. = ***Encyclia chloroleuca***
15. *Epidendrum peraltense* Ames = ***Encyclia peraltensis***