

JOURNAL OF BIODIVERSITY AND CONSERVATION

Erigeron darwinii R.Kr. Singh, a replacement name for *E. tenuifolius* Hook. f. (Asteraceae)

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ARTICLE INFO

Article History

Received: 30 July 2023

Received in revised form: 05 September 2023

Accepted: 12 September 2023

Keywords: Charles Darwin, Endemic, Galápagos Islands,
Holotype, Later homonym

Abstract

A replacement name *Erigeron darwinii* R.Kr. Singh is here proposed for the illegitimate *E. tenuifolius* Hook. f., being a later homonym of *E. tenuifolius* (P. J. Bergius) Sch. Bip.

INTRODUCTION

The genus *Erigeron* L. (Asteraceae, Astereae) consists of about 450 species worldwide (POWO 2023). In the Galápagos Islands, the genus is represented by five species and one variety, namely *E. alternifolius* (Lawesson & Adersen) N. Andrus & Tye, *E. bonariensis* L., *E. canadensis* L., *E. lancifolius* Hook. f. var. *lancifolius*, *E. lancifolius* var. *glabriusculus* A. Stewart and *E. tenuifolius* Hook. f., of which *E. alternifolius*, *E. lancifolius* var. *lancifolius*, *E. lancifolius* var. *glabriusculus* and *E. tenuifolius* are endemic (POWO 2023). Recently, based on the phylogenetic evidence, the genus *Darwiniothamnus* is synonymized with *Erigeron* (Tye 2010). Hooker (1847) described two species, *E. lancifolius* and *E. tenuifolius* from the Galápagos Islands.

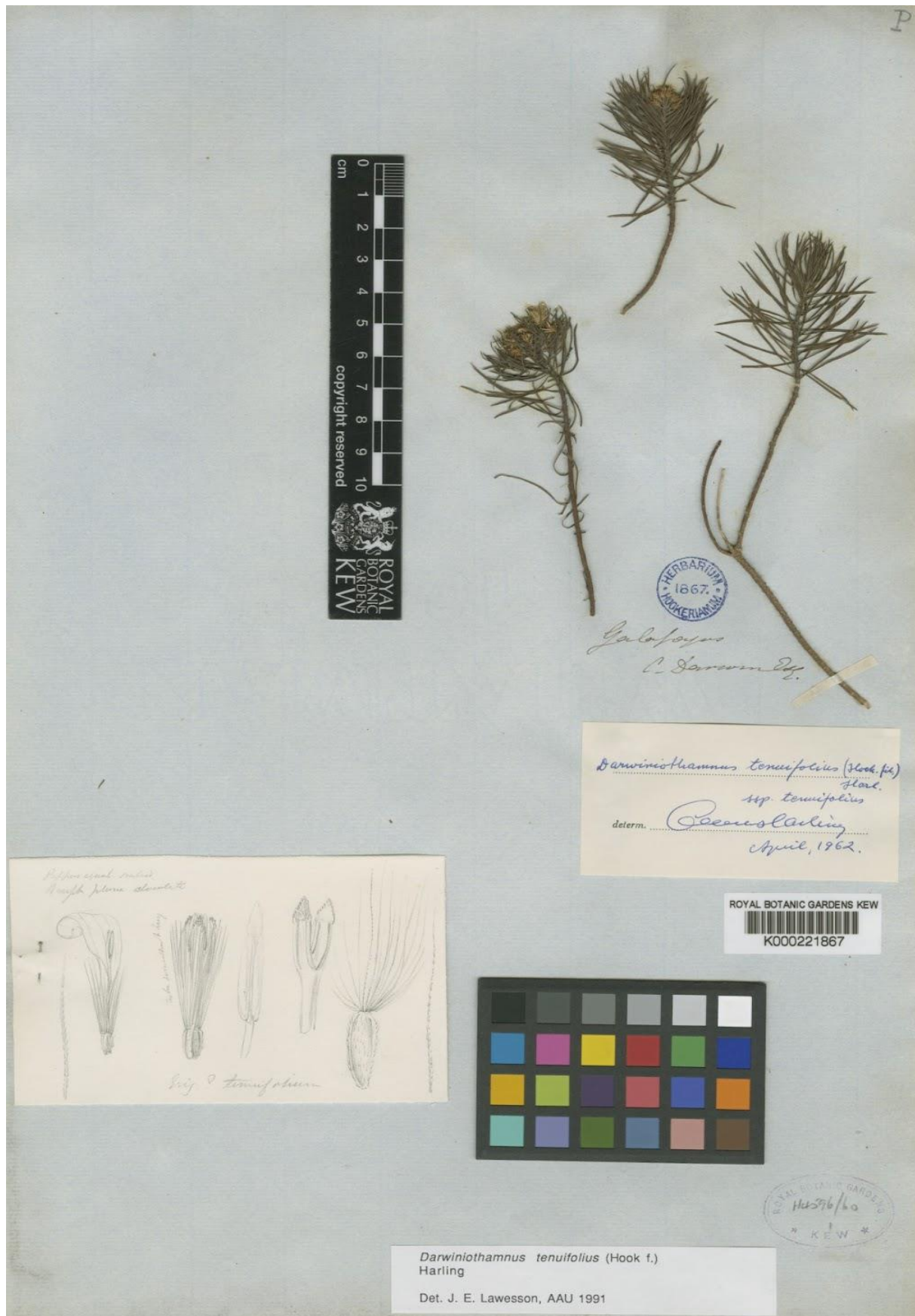


Figure 1: Holotype of *Erigeron tenuifolius* Hook.f. (K000221867, © The Trustees of the Royal Botanic Gardens, Kew)

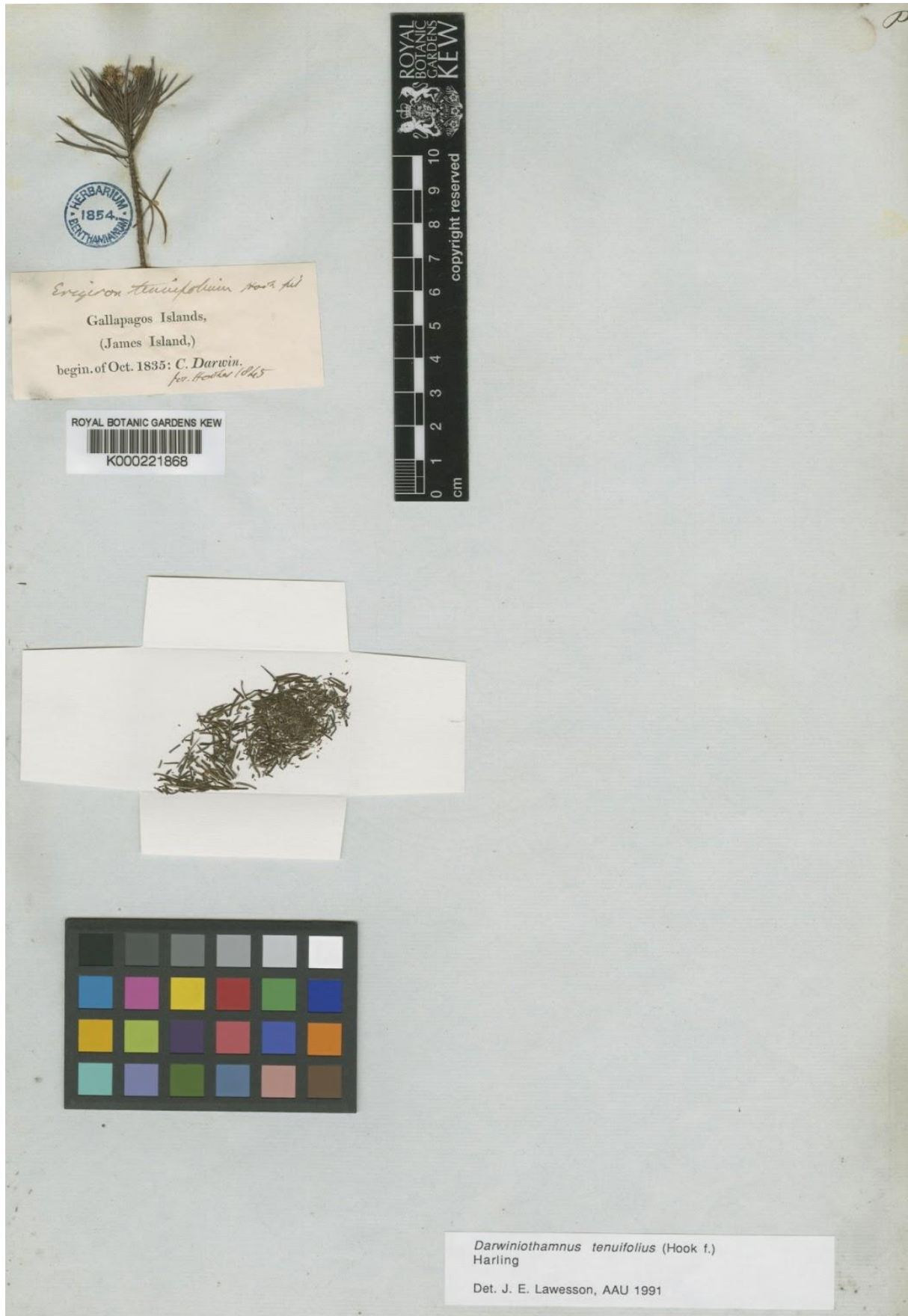


Figure 2: Isotype of *Erigeron tenuifolius* Hook.f. (K000221868, © The Trustees of the Royal Botanic Gardens, Kew)

The latter name is illegitimate, as it is a later homonym of *E. tenuifolius* (P. J. Bergius) Sch. Bip. according to article 53.1 in Turland et al. (2018). Although it was validly transferred to *Darwiniothamnus* by Harling (1962), following recent circumscription of *Erigeron*, a replacement name is proposed here.

NOMENCLATURE

Erigeron darwinii R.Kr.Singh, *nom. nov.*

Erigeron tenuifolius Hook.f., Trans. Linn. Soc. London 20: 207. 1847, *nom. illeg., non* (P.J.Bergius) Sch.Bip., Flora 27: 670. 1844. *Darwiniothamnus tenuifolius* (Hook.f.) Harling, Acta Horti Berg. 20: 109. 1962. Holotype: Ecuador. Galápagos Islands, October 1835, C. Darwin s.n. (K000221867!, Figure 1); isotypes CGE, K000221868! (Figure 2).

Distribution: Endemic to the Galápagos Islands, Ecuador.

Etymology: Named after Charles Darwin for his valuable expedition to the Galápagos Islands, which founded the base of his ‘Theory of Evolution by natural selection’.

Notes: Hooker (1847) described *Erigeron tenuifolius* based on the collection of Charles Darwin from Galápagos Islands. Hooker’s types are known to be held at K (Stafleu and Cowan 1979). Two herbarium sheets were traced for the name *E. tenuifolius* Hook.f. at K (K000221867 and K000221868). The herbarium sheet K000221867 belongs to herbarium Hookerianum and K000221868 to herbarium Benthamianum, therefore K000221867 will be the holotype for the name *E. tenuifolius* Hook. f. The collection date “beginning of October 1835” is mentioned on isotype specimen K000221868.

ACKNOWLEDGEMENTS

I am thankful to the Director, Botanical Survey of India, Kolkata for providing facilities and continual support. Author is also grateful to the curator of K for the images and information of type specimens.

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