

NEW COMBINATIONS IN THE CALENDULEAE

Bertil Nordenstam
Department of Phanerogamic Botany
Swedish Museum of Natural History
S-104 05 Stockholm
Sweden

Abstract

Twelve new combinations in *Dimorphotheca* Moench and *Tripteris* Less. are published, resulting from recent generic revision in the tribe Calenduleae.

Introduction

A revision of generic limits in the small tribe Calenduleae has been initiated, and some generic re-arrangement has recently been proposed (Nordenstam 1994 & in press). The largest genus *Osteospermum* has been divided into three separate genera, viz. *Osteospermum s. str.*, *Tripteris* and *Oligocarpus*. Further, the section *Blaxium* of *Osteospermum* has been transferred to the genus *Dimorphotheca*, and the small genus *Castalis* has also been sunk in *Dimorphotheca*. Most of the taxa now transferred to *Dimorphotheca* already have valid names under that genus, and the same goes for *Tripteris*, which has previously been recognized as a genus. However, some new combinations need to be validated and are published here.

Dimorphotheca Moench (nom. cons.)

After inclusion of *Castalis* and sect. *Blaxium* the genus *Dimorphotheca* now comprises 18 species. Only two of these, plus one variety, need new combinations under *Dimorphotheca*.

***D. dregei* DC. var. *reticulata* (T. Norl.) B. Nord., comb. nov.**

Basionym: *Osteospermum Dregei* (DC.) T. Norl. var. *reticulatum* T. Norlindh 1943: 249.

Type: South Africa, Riversdale Div., hills near Riversdale, ca. 200 m, 1923, Muir 2905 (PRE holotype).

***D. tragus* (Ait.) B. Nord., comb. nov.**

Basionym: *Calendula Tragus* Aiton 1789: 271.

Type: No type was designated by Norlindh (1943), who mentioned that Aiton had the species in cultivation at Kew since 1774, when it was introduced from the Cape of Good Hope by Masson.

***D. walliana* (T. Norl.) B. Nord., comb. nov.**

Basionym: *Osteospermum Wallianum* T. Norlindh 1943: 246.

Type: South Africa, Stellenbosch Div., at Gordons Bay, 1.XII.1938, Wall s.n. (S holotype).

***Tripteris* Less.**

For more than one century after its publication *Tripteris* was generally accepted as a genus, and accordingly most of the species have a valid name under *Tripteris*. Norlindh (1943) reduced *Tripteris* to a subgenus of *Osteospermum*. Because of its recent reinstatement as a genus (Nordenstam 1994), the following new combinations are needed.

***T. afromontana* (T. Norl.) B. Nord., comb. nov.**

Basionym: *Osteospermum afromontanum* T. Norlindh 1954: 149.

Type: Tanzania, Mt. Hanang, NE slope, S. Mbulu distr., ca. 3300 m, 8.II.1946, Greenway 7665 (EA holotype; K, PRE, isotypes).

***T. angolensis* (T. Norl.) B. Nord., comb. nov.**

Basionym: *Osteospermum angolense* T. Norlindh 1954: 148.

Type: Angola, Huila, Quilemba, Serra da Chela, 1900 m, 1937, Gossweiler 10816 (COI holotype).

***T. breviradiata* (T. Norl.) B. Nord., comb. nov.**

Basionym: *Osteospermum breviradiatum* T. Norlindh 1943: 345.

Type: South Africa, Clanwilliam, 150 m, 1896, Schlechter 8415 (S holotype; B, BOL, G, GRA, K, P, PRE, W, Z, isotypes).

***T. microcarpa* Harv. subsp. *septrionalis* (T. Norl.) B. Nord., comb. nov.**

Basionym: *Osteospermum microcarpum* (Harv.) T. Norl. var. *septrionale* T. Norlindh 1943: 300. - *O. microcarpum* subsp. *septrionale* (T. Norl.) T. Norlindh 1960: 398.

Type: Angola, distr. Mossamedes, inter 14° et 16° lat. austr., 1859, Welwitsch 3542 (K lectotype; B, C, G).

***T. nyikensis* (T. Norl.) B. Nord., comb. nov.**

Basionym: *Osteospermum nyikense* T. Norlindh 1976: 171.

Type: Malawi, Chitipa distr., Kawozya Hill, 2140 m, 11.VIII.1972, Brummitt & Syngé WC 211 (K holotype; MAL, S, SRGH, isotypes).

***T. oppositifolia* (Ait.) B. Nord., comb. nov.**

Basionym: *Calendula oppositifolia* Aiton 1789: 272.

Type: In herb. Brit. Mus. (BM lectotype; cf Norlindh 1960: 393).

Syn.: *Calendula glabrata* Thunberg 1800: 163. - *Osteospermum glabratum* (Thunb.) Lessing 1832: 89.

***T. pinnatilobata* (T. Norl.) B. Nord., comb. nov.**

Basionym: *Osteospermum pinnatilobatum* T. Norlindh 1943: 302.

Type: South Africa, L. Namaqualand Div., Concordia, in collibus, 1897, ca. 1000 m, Schlechter 11331 (B lectotype; LD, Z).

***T. rosulata* (T. Norl.) B. Nord., comb. nov.**

Basionym: *Osteospermum rosulatum* T. Norlindh 1943: 325.

Type: South Africa, Griqualand East, Mount Currie, in apertis circa Kokstad, 1400-1500 m, 1883, Tyson 1796 (BOL holotype; K, PRE, SAM, isotypes).

***T. sinuata* DC. var. *linearis* (Harv.) B. Nord., comb. nov.**

Basionym: *Tripteris linearis* Harvey 1865: 426.

Type: "*Tripteris linearis* Harv. n. sp." (Harvey scripsit), herb. Sonder (S holotype).

References

- Aiton, W. 1789. *Hortus kewensis* 3. London.
- Harvey, W. H. 1865. Compositae. In: Harvey, W. H. & O. W. Sonder, *Flora capensis* 3: 44-530. Dublin, Cape Town.
- Lessing, C. F. 1832. *Synopsis generum Compositarum*. Berolini.
- Nordenstam, B. 1994. Tribe Calenduleae. In: Bremer, K. (ed.), *Asteraceae, Cladistics & classification*: 365-375. Portland, Oregon.
- Nordenstam, B. in press. Recent revision of Senecioneae and Calenduleae systematics. *Proceedings of International Compositae Conference, Royal Botanic Gardens, Kew 1994*.
- Norlindh, T. 1943. *Studies in the Calenduleae 1. Monograph of the genera Dimorphotheca, Castalis, Osteospermum, Gibbaria and Chrysanthemoides*. Lund.
- Norlindh, T. 1954. Further contributions to the genus *Osteospermum*. *Svensk Bot. Tidskr.* 48(1): 148-154.
- Norlindh, T. 1960. Additions to the monograph on *Osteospermum*. *Bot. Notiser* 113(4): 385-399.
- Norlindh, T. 1976. A new species of *Osteospermum* (Compositae). In: R. K. Brummitt, Notes arising from the Wye College expedition to Malawi 8. *Kew Bull.* 31(1): 171-172.
- Thunberg, C. P. 1800. *Prodromus plantarum capensium* 2. Upsaliae.



Nordenstam, Bertil. 1995. "NEW COMBINATIONS IN THE CALENDULEAE."
Compositae newsletter 25, 46–49.

View This Item Online: <https://www.biodiversitylibrary.org/item/48838>

Permalink: <https://www.biodiversitylibrary.org/partpdf/319723>

Holding Institution

New York Botanical Garden, LuEsther T. Mertz Library

Sponsored by

The LuEsther T Mertz Library, the New York Botanical Garden

Copyright & Reuse

Copyright Status: In copyright. Digitized with the permission of the rights holder.

License: <http://creativecommons.org/licenses/by-nc-sa/3.0/>

Rights: <https://biodiversitylibrary.org/permissions>

This document was created from content at the **Biodiversity Heritage Library**, the world's largest open access digital library for biodiversity literature and archives. Visit BHL at <https://www.biodiversitylibrary.org>.