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# D.F.K. von Schlechtendal's examination of *Arenaria* and *Stellaria* species in C.L. von Willdenow's herbarium published in 1816 – a nomenclatural correction

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**Abstract:** Braun, U. & Heuchert, B. 2013: D.F.K. von Schlechtendal's examination of *Arenaria* and *Stellaria* species in C.L. von Willdenow's herbarium published in 1816 – a nomenclatural correction. Schlechtendalia **25**: 69–72.

In Index Kewensis and in important databases [IPNI (International Plant Name Index), Tropicos as well as The Plant List], numerous new *Arenaria* and *Stellaria* species described by Schlechtendal (1816) have been ascribed to D.F.L. von Schlechtendal (abbreviated as "Schltdl."), but the genuine author of the paper concerned is D.F.K. von Schlechtendal (abbreviated as D.F.K. Schltdl.), his father.

**Zusammenfassung:** Braun, U. & Heuchert, B. 2013: D.F.K. von Schlechtendals Untersuchung von *Arenaria*- and *Stellaria*-Arten in C.L. von Willdenows Herbarium publiziert im Jahr 1816 – ein nomenklatorische Korrektur. Schlechtendalia **25**: 69–72.

Im Index Kewensis und auch in wichtigen Datenbanken [IPNI- (International Plant Name Index), Tropicos- und The Plant List] wurden zahlreiche neue *Arenaria*- und *Stellaria*-Arten D. F. L. von Schlechtendal (abgekürzt als Schltdl.) zugeordnet, aber der wirkliche Autor der betreffenden Arbeit ist D. F. K. von Schlechtendal (abgekürzt als D. F. K. Schltdl.), sein Vater.

**Key words:** Nomenclature, Caryophyllaceae, authorship

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## Introduction

C.L. von Willdenow (1765–1812) was one of the most significant and influential early German botanists. He intended to publish a new comprehensive treatment of *Arenaria* and *Stellaria* species, but was not able to accomplish and finish this project before he passed away. After his death, D.F.K. von Schlechtendal (1767–1842), one of Willdenow's companions, examined his *Arenaria* and *Stellaria* collections and published in 1816 his results including an enumeration of species, discussions, and descriptions of several new species. In Index Kewensis (Fasc. 1, 1885, and Fasc.. 4, 1895) as well as important databases [IPNI (International Plant Name Index), Tropicos, and The Plant List], new species published in Schlechtendal (1816) were ascribed to D.F.L. von Schlechtendal (1794–1866) [abbrevisted as Schltdl.], but the genuine author of this paper is D.F.K. von Schlechtendal (abbreviated as D.F.K. Schltdl.), his father. The paper concerned was published with the following title and authorship:

«Ueber die Stellarien und Arenarien Arten, welche in der Willdenowschen Sammlung aufbewahrt werden» [About the Stellarias and Arenarias preserved in Willdenow's collection]

Vom Oberlandesgerichts-Präsidenten von Schlechtendal

The first name of the author was not given, which was probably the reason for the confusion of Schlechtendal pat. and Schlechtendal fil. However, the title "Oberlandesgerichts-Präsidenten" refers to D.F.K. von Schlechtendal, a professional lawyer, who had this position at that time at the German town Paderborn (see Stafleu & Cowan 1985: 204), whereas D.F.L. von Schlechtendal, his son, was a professional botanist. Therefore, the authorship of all *Arenaria* and *Stellaria* species described in Schlechtendal (1816) has to be corrected from "Schltdl." to "D.F.K. Schltdl."

## Results

The following list contains names of new *Arenaria* and *Stellaria* species described by Schlechtendal (1816) with corrected author citations. Sometimes there are differences in the author names of particular species between the databases IPNI and Tropicos. Other species are lacking in Tropicos. These peculiarities are cited in "Notes" under the particular species. Type

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collections of some of the listed species have been traced in the herbarium HAL. They are cited under the species concerned.

***Arenaria affinis*** Willd. ex D.F.K. Schltdl., Mag. Neuesten Entdeck. Gesammten Naturk. Ges. Naturf. Freunde Berlin 7(3): 198, 1816
Type: Siberia, P.S. von Pallas, ex herb. Willdenow (HAL 118137).
Notes: This name is not listed in Tropicos but in IPNI.

***Arenaria alsinoides*** Willd. ex D.F.K. Schltdl., Mag. Neuesten Entdeck. Gesammten Naturk. Ges. Naturf. Freunde Berlin 7(3): 201, 1816

***Arenaria biebersteinii*** D.F.K. Schltdl., Mag. Neuesten Entdeck. Gesammten Naturk. Ges. Naturf. Freunde Berlin 7(3): 202, 1816

***Arenaria bryoides*** Willd. ex D.F.K. Schltdl., Mag. Neuesten Entdeck. Gesammten Naturk. Ges. Naturf. Freunde Berlin 7(3): 201, 1816
Type: Mexico, Mt. Toluca, 11400', A. v. Humboldt, ex herb. Willdenow (HAL 118134).

***Arenaria decussata*** Willd. ex D.F.K. Schltdl., Mag. Neuesten Entdeck. Gesammten Naturk. Ges. Naturf. Freunde Berlin 7(3): 212, 1816
Notes: In Tropicos, the year of publication is wrongly cited as "1813".

***Arenaria densa*** Kit. ex D.F.K. Schltdl., Mag. Neuesten Entdeck. Gesammten Naturk. Ges. Naturf. Freunde Berlin 7(3): 200, 1816
Notes: In Tropicos, the year of publication is wrongly cited as "1813".

***Arenaria digyna*** Willd. ex D.F.K. Schltdl., Mag. Neuesten Entdeck. Gesammten Naturk. Ges. Naturf. Freunde Berlin 7(3): 201, 1816
Notes: In Tropicos, this species is cited as *A. digyna* Willd. and with the year "1813".

***Arenaria elongata*** Balb. ex D.F.K. Schltdl., Mag. Neuesten Entdeck. Gesammten Naturk. Ges. Naturf. Freunde Berlin 7(3): 200, 1816
Notes: In Tropicos, the year of publication is wrongly cited as "1813".

***Arenaria juressi*** Willd. ex D.F.K. Schltdl., Mag. Neuesten Entdeck. Gesammten Naturk. Ges. Naturf. Freunde Berlin 7(3): 212, 1816
Notes: In Tropicos, this species is cited as *Arenaria juressi* Willd., in IPNI as *A. juressi* Willd. ex Schltdl. In Tropicos, the year of publication is wrongly cited as "1813".

***Arenaria lycopodioides*** Willd. ex D.F.K. Schltdl., Mag. Neuesten Entdeck. Gesammten Naturk. Ges. Naturf. Freunde Berlin 7(3): 212, 1816

***Arenaria marginata*** Willd. ex D.F.K. Schltdl., Mag. Neuesten Entdeck. Gesammten Naturk. Ges. Naturf. Freunde Berlin 7(3): 212, 1816
Notes: Not listed in Tropicos, but in IPNI as *A. marginata* Schltdl.

***Arenaria molluginifolia*** Pourr. ex D.F.K. Schltdl., Mag. Neuesten Entdeck. Gesammten Naturk. Ges. Naturf. Freunde Berlin 7(3): 201, 1816
Notes: Not listed in Tropicos, but in IPNI.

***Arenaria nana*** Willd. ex D.F.K. Schltdl., Mag. Neuesten Entdeck. Gesammten Naturk. Ges. Naturf. Freunde Berlin 7(3): 201, 1816

***Arenaria pulchra*** Willd. ex D.F.K. Schltdl., Mag. Neuesten Entdeck. Gesammten Naturk. Ges. Naturf. Freunde Berlin 7(3): 212, 1816
Type: Turkey, Mt. Ararat, Adany, ex herb. Willdenow (HAL 118113).
Notes: Not listed in Tropicos, but in IPNI.

***Arenaria purpurea*** Willd. ex D.F.K. Schltdl., Mag. Neuesten Entdeck. Gesammten Naturk. Ges. Naturf. Freunde Berlin 7(3): 211, 1816
Notes: Not listed in Tropicos, but in IPNI.

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***Arenaria sajanensis*** Willd. ex D.F.K. Schltdl., Mag. Neuesten Entdeck. Gesammten Naturk. Ges. Naturf. Freunde Berlin 7(3): 200, 1816
Notes: In Tropicos, this species is cited as *Arenaria sajanensis* Schltdl., in IPNI as *A. sajanensis* Willd. ex Schltdl.

***Arenaria stellarioides*** Willd. ex D.F.K. Schltdl., Mag. Neuesten Entdeck. Gesammten Naturk. Ges. Naturf. Freunde Berlin 7(3): 209, 1816
Type: Caucasus, Adams, ex herb. Willdenow (HAL 118107).
Notes: Not listed in Tropicos, but in IPNI.

***Arenaria sulcata*** Willd. ex D.F.K. Schltdl., Mag. Neuesten Entdeck. Gesammten Naturk. Ges. Naturf. Freunde Berlin 7(3): 212, 1816
Notes: In Tropicos, this species is cited as *Arenaria sulcata* Schltdl., in IPNI as *A. sulcata* Willd. ex Schltdl. In Tropicos, the year of publication is wrongly cited as "1813".

***Arenaria tetragyna*** Willd. ex D.F.K. Schltdl., Mag. Neuesten Entdeck. Gesammten Naturk. Ges. Naturf. Freunde Berlin 7(3): 201, 1816
Type: Ecuador, Mt. Antisana, alt. 12000', A. von Humboldt, ex herb. Willdenow (HAL 118106).
Notes: In Tropicos, the year of publication is wrongly cited as "1813".

***Arenaria uliginosa*** Schleich. ex D.F.K. Schltdl., Mag. Neuesten Entdeck. Gesammten Naturk. Ges. Naturf. Freunde Berlin 7(3): 207, 1816
Notes: This name is not listed in Tropicos but in IPNI.

***Stellaria cordata*** Willd. ex D.F.K. Schltdl., Mag. Neuesten Entdeck. Gesammten Naturk. Ges. Naturf. Freunde Berlin 7(3): 197, 1816
Notes: This name is not listed in Tropicos but in IPNI.

***Stellaria cuspidata*** Willd. ex D.F.K. Schltdl., Mag. Neuesten Entdeck. Gesammten Naturk. Ges. Naturf. Freunde Berlin 7(3): 196, 1816

***Stellaria davurica*** Willd. ex D.F.K. Schltdl., Mag. Neuesten Entdeck. Gesammten Naturk. Ges. Naturf. Freunde Berlin 7(3): 195, 1816
Notes: This name is not listed in Tropicos but in IPNI.

***Stellaria diffusa*** Willd. ex D.F.K. Schltdl., Mag. Neuesten Entdeck. Gesammten Naturk. Ges. Naturf. Freunde Berlin 7(3): 195, 1816
Notes: Cited in IPNI as *Stellaria diffusa* Pall. ex Schltdl.

***Stellaria mollis*** Willd. ex D.F.K. Schltdl., Mag. Neuesten Entdeck. Gesammten Naturk. Ges. Naturf. Freunde Berlin 7(3): 196, 1816
Notes: This name is not listed in Tropicos but in IPNI.

***Stellaria mosquiensis*** M. Bieb. ex D.F.K. Schltdl., Mag. Neuesten Entdeck. Gesammten Naturk. Ges. Naturf. Freunde Berlin 7(3): 195, 1816
Notes: This name is not listed in Tropicos but in IPNI.

***Stellaria ovata*** Willd. ex D.F.K. Schltdl., Mag. Neuesten Entdeck. Gesammten Naturk. Ges. Naturf. Freunde Berlin 7(3): 196, 1816

***Stellaria recurvata*** Willd. ex D.F.K. Schltdl., Mag. Neuesten Entdeck. Gesammten Naturk. Ges. Naturf. Freunde Berlin 7(3): 196, 1816

***Stellaria ruscifolia*** Willd. ex D.F.K. Schltdl., Mag. Neuesten Entdeck. Gesammten Naturk. Ges. Naturf. Freunde Berlin 7(3): 194, 1816

***Stellaria serpyllifolia*** Willd. ex D.F.K. Schltdl., Mag. Neuesten Entdeck. Gesammten Naturk. Ges. Naturf. Freunde Berlin 7(3): 196, 1816

***Stellaria stephaniana*** Willd. ex D.F.K. Schltdl., Mag. Neuesten Entdeck. Gesammten Naturk. Ges. Naturf. Freunde Berlin 7(3): 194, 1816

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***Stellaria subulata*** Boeber ex D.F.K. Schltdl., Mag. Neuesten Entdeck. Gesammten Naturk. Ges. Naturf. Freunde Berlin 7(3): 195, 1816
Type: Siberia, J. von Boeber, ex herb. Willdenow (HAL 118100).
Notes: Not cited in Tropicos, but in IPNI.

***Stellaria villosa*** Willd. ex D.F.K. Schltdl., Mag. Neuesten Entdeck. Gesammten Naturk. Ges. Naturf. Freunde Berlin 7(3): 194, 1816
Type: Siberia, P.S. von Pallas, ex herb. Willdenow (HAL 118099).
Notes: Not cited in Tropicos, but in IPNI.

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