A NEW COMBINATION IN NORTH AMERICAN *SILENE* (CARYOPHYLLACEAE)

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ABSTRACT

The new combination **Silene greenei** (S. Watson) Howell subsp. **angustifolia** (F.N. Williams) Rabeler & Gandhi is proposed here.

RESUMEN

Se hace aquí la combinación nueva **Silene greenei** (S. Watson) Howell subsp. **angustifolia** (F.N. Williams) Rabeler & Gandhi se propone aquí.

While working on a paper outlining the infrageneric classification of *Silene* (Jafari et al. 2020), Farzaneh Jafari noted that the name *Silene campanulata* was published twice, first by Sauter (1830) and later by Watson (1875), and that the latter name was, at that time, accepted in recent works such as Plants of the World Online (http://www.plantsoftheworldonline.org/) and in the Flora of North America (Morton 2005). We agree with Farzaneh Jafari's assessment. We add that the name *S. campanulata* S. Watson applies to a plant native to California and Oregon while *S. campanulata* Saut. was described from Austria and is now considered a synonym of *S. vulgaris* (Moench) Garcke.

Morton's (2005) treatment of *Silene campanulata* S. Watson is selectively quoted below:

Silene campanulata S. Watson, Proc. Amer. Acad. Arts. 10:341. 1875.
Silene campanulata S. Watson subsp. *campanulata*.
Silene campanulata var. *angustifolia* F.N. Williams.
Silene campanulata S. Watson subsp. *glandulosa* C.L. Hitchcock & Maguire, Revis. N. Amer. Silene [Univ. Wash. Publ. Biol. 13] 23, pl. 5, fig. 34b. 1947.
Silene campanulata subsp. *greenei* (S. Watson) C.L. Hitchcock & Maguire; *S. campanulata* var. *greenei* S. Watson; *S. campanulata* var. *latifolia* F.N. Williams; *S. campanulata* var. *orbiculata* B.L. Robinson; *S. campanulata* var. *petrophila* Jepson.

Since the name *Silene campanulata* S. Watson is illegitimate, there is no automatic establishment of an autonym at the time of a valid publication of a name of an infraspecific taxon (vide International Code, Art. 26.3, Turland et al. 2018). In other words, "*Silene campanulata* S. Watson subsp. *campanulata*" was not created at the time of the valid publication of *Silene campanulata* subsp. *glandulosa*.

Although not included by Morton (2005), we mention here that *Silene greenei* (S. Watson) Howell is a homotypic synonym of *S. campanulata* var. *greenei* S. Watson and is available as a heterotypic synonym at species rank for use in place of *S. campanulata* S. Watson. Accordingly, the citation should be:

Silene greenei (S. Watson) Howell, Fl. N.W. Amer. 1:76. 1897.
Silene greenei (S. Watson) Howell subsp. *greenei*.
Silene campanulata S. Watson var. *greenei* S.Watson, Proc. Amer. Acad. Arts 28:137. 1893; *S. campanulata* subsp. *glandulosa* C.L. Hitchcock & Maguire, Univ. Wash. Publ. Biol. 13:23, fig. 34b. 1947; *S. campanulata* subsp. *greenei* (S. Watson) C.L. Hitchcock & Maguire, Univ. Wash. Publ. Biol. 13:24. 1947; *S. campanulata* var. *latifolia* F.N. Williams, J. Linn. Soc., Bot. 32:50. 1896; *S. campanulata* var. *orbiculata* B.L. Robinson, Syn. Fl. N. Amer. 1(1):219. 1897; *S. campanulata* var. *petrophila* Jepson, Fl. Calif. 1:504. 1915.

As shown above, at the subspecies rank, the autonym *Silene greenei* subsp. *greenei* replaces *S. campanulata* subsp. *glandulosa*; the more widely distributed plant with broader leaves and creamy white petals. Within

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Silene greenei, the following new combination is required to accommodate what was previously known as "*Silene campanulata* S. Watson subsp. *campanulata*," the northern California plant with narrower leaves and pinkish petals.

Silene greenei (S. Watson) Howell subsp. **angustifolia** (F.N. Williams) Rabeler & Gandhi, **comb. & stat. nov.**

Basionym: *Silene campanulata* var. *angustifolia* F.N. Williams, J. Linn. Soc., Bot. 32:50. 1896. Lectotype (designated by Hitchcock & Maguire, Univ. Wash. Publ. Biol. 13:23. 1947): U.S.A. California. Humboldt Co.: Red Mountain, *Bolander 6517* (GH, barcode 00037860!; probable isolectotypes, UC, barcode 8432!, UC, barcode 8435!, US, barcode 00103404!, YU barcode YU.068849!).

Silene campanulata S. Watson, Proc. Amer. Acad. Arts. 10:341. 1875, non Sauter (1830).

Watson (1875) cited two specimens in the protologue: "Bolander (n. 6517) and Kellogg." The citation of "Type" by Hitchcock and Maguire (1947), where they selected "Bolander 6517 (G)" (G = GH per their list of herbarium abbreviations) as the type, can be considered a lectotypfication (Art. 7.11; Turland et al. 2018). While Hitchcock & Maguire annotated Kellogg & Harford 87 (GH, barcode 00037859!) as "Type" and Bolander 6517 as "Isotype" in 1942, the lectotypification has to be based on the published account.

The location and date of collection of the Bolander specimen are not clear. All of the specimens examined have "Red Mountains, Humboldt Co." as the locality, including a note on UC 8432 "from typed field notes," and "1866" in the label header (except UC 8432 where no date is specified), except the specimen at GH. That specimen, likely sent from Bolander to Watson has "Mendocino Co." written above the label header and a "7" is stroked over the second "6" in the date. That information was followed by both Watson (1875) and Hitchcock and Maguire (1947) in their citations of this collection; curiously, Williams (1896) cited "Mendocino County and Humboldt County."

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