

A NEW COMBINATION IN *HEMIZONIA* (ASTERACEAE: MADIINAE)

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ABSTRACT

Hemizonia leucocephala Tanowitz is reduced to subspecific rank as ***H. congesta* DC. ssp. *leucocephala* (Tanowitz) Keil.**

KEY WORDS: *Hemizonia*, Asteraceae, Madiinae

Based on examination of types and a review of the application of names, Tanowitz (1983) recognized that the taxon that had been treated in recent floras as *Hemizonia multicaulis* Hook. & Arn. should properly be called *H. congesta* DC., and the the taxon that had been treated as *H. congesta* (sensu stricto) has actually never been named. Tanowitz therefore described the latter taxon as *H. leucocephala* Tanowitz.

Members of the *Hemizonia congesta* complex have been treated by Babcock & Hall (1924) as one variable species with six subspecies and by Clausen (1951) and Keck (1958, 1959, 1960) as seven species. Babcock & Hall presented strong evidence that these taxa are all more or less interfertile and that intergradation in nature is common where ranges overlap. Clausen (1951) presented a crossing polygon that confirmed that these taxa are weakly to moderately interfertile in various combinations. Nevertheless, Clausen & Keck treated these plants as distinct species. I have been unable to document their rationale for recognition of these taxa at the species level.

In the Jepson Manual, I am following Babcock & Hall in treating these taxa as one polymorphic species. I recognize the same taxa that Babcock & Hall (1924) recognized. However, because of the nomenclatural changes that resulted from Tanowitz's (1983) study, application of names has changed for some taxa. I am treating as *Hemizonia congesta* ssp. *congesta*, the taxon that Babcock & Hall (1924) called *H. congesta* var. *lutescens* (E. Greene) Babcock & Hall, and that Keck (1959, 1960) split into *H. lutescens* (E. Greene) Keck, *H. multicaulis* Hook. & Arn., and *H. multicaulis* ssp. *vernalis* Keck. The taxon that Tanowitz treated as *H. leucocephala* has no name at the subspecific level. I therefore propose the following new combination:

Hemizonia congesta DC. ssp. **leucocephala** (Tanowitz) Keil, *comb. nov.*
 BASIONYM: *Hemizonia leucocephala* Tanowitz, Bull. Torrey Bot. Club
 110:15. 1983.

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