

NEW VARIETAL COMBINATIONS WITHIN *STEPHANOMERA EXIGUA* AND *S. VIRGATA* (ASTERACEAE)

B. L. Turner

Plant Resources Center
The University of Texas at Austin
Austin, Texas 78712
email billie@uts.cc.utexas.edu

Gottlieb (2006), in his treatment of *Stephanomeria exigua* for Fl. N. Amer., recognized 5 infraspecific taxa under this species, these recognized as subspecies: subsp. *carotifera* (Hoover) Gottlieb; subsp. *coronaria* (Greene) Gottlieb; subsp. *deanei* (J.F. Macbride) Gottlieb; subsp. *macrocarpa* Gottlieb; and the typical; subsp. *exigua*. He recognized no varietal taxa. However, three of these were treated as varieties by other workers. The following varietal names are proposed for the two taxa lacking such rank, this bringing the nomenclature into conformity with the views of Turner and Nesom (2000) and yet others:

Stephanomeria exigua* var. *carotifera* (Hoover) B.L. Turner, *stat. nov.__ Based upon *Stephanomeria carotifera* Hoover, Leafl. W. Bot. 10: 252. 1966.

Stephanomeria exigua* var. *macrocarpa* (Gottlieb) B.L. Turner, *stat. nov.__ Based upon *Stephanomeria exigua* subsp. *macrocarpa* Gottlieb, Madrono 21: 473. 1972.

It should be noted that Ford et al. (2006) found the typical subsp. *exigua* to form a clade consisting of the varieties *exigua*, *coronaria*, and *macrocarpa*. The subsp. *deanei* and subsp. *carotifera* are equivocal, perhaps more closely related to the *S. virgata* clade; unfortunately the subsp. *carotifera* was not accounted for in the DNA study concerned.

The only other species of *Stephanomeria* in which infraspecific taxa were recognized by Gottlieb is that of *S. virgata*, in which two subspecies were recognized: the typical subsp. *virgata*, and subsp. *pleurocarpa* (Greene) Gottlieb. The latter lacks a varietal combination, for which the following is proposed:

Stephanomeria virgata var. **pleurocarpa** (Greene) B.L. Turner, **stat. nov.** Based upon *Stephanomeria pleurocarpa* Greene, *Pittonia* 2: 131. 1890.

Ford et al. (2006) discussed the cladistic relationships of *S. virgata* in more detail, but formal taxonomic proposals resulting from such studies are still in abeyance.

LITERATURE CITED

- Ford, V.S., J. Lee, B.G. Baldwin, and L.D. Gottlieb. 2006. Species divergence and relationships in *Stephanomeria* (Compositae): PgiC phylogeny compared to prior biosystematic studies. *Amer. J. Bot.* 93: 480-490.
- Turner, B. L. and G. O. Nesom. 2000. Use of variety and subspecies and new varietal combinations for *Stryax platanifolius* (Styracaceae) *Sida* 19: 257-262.