

# NEW COMBINATIONS FOR THE FLORA OF NEVADA, U.S.A.

Arnold Tiehm

University of Nevada, Reno  
Herbarium  
1664 N. Virginia St., MS-186  
Reno, Nevada 89557, U.S.A.  
atiehm@unr.edu

## ABSTRACT

Presented here are four new combinations made in advance of publication of an *Annotated Checklist for the Flora of Nevada*. New combinations of **Aphyllon corymbosum** var. **mutabile**, **Monardella ovata** var. **pallida**, **Orthocarpus cuspidatus** var. **cryptanthus**, and **Phlox kelseyi** var. **salina** are made.

## RESUMEN

Aquí se presentan cuatro nuevas combinaciones realizadas antes de la publicación de una *Lista Anotada de la Flora de Nevada*. Se hacen nuevas combinaciones de **Aphyllon corymbosum** var. **mutabile**, **Monardella ovata** var. **pallida**, **Orthocarpus cuspidatus** var. **cryptanthus**, y **Phlox kelseyi** var. **salina**.

KEY WORDS: Nevada flora, varieties, combinations

## INTRODUCTION

Further study on the Flora of Nevada has uncovered four more necessary combinations. Please see an earlier publication of new combinations for the Flora of Nevada for an explanation of my botanical preferences (Tiehm 2023).

### Lamiaceae

**Monardella ovata** var. **pallida** (A. Heller) Tiehm, **comb. nov.** *Monardella pallida* A. Heller, *Muhlenbergia* 1(3):36. 1904; *Madronella pallida* (A. Heller) A. Heller, *Muhlenbergia* 1(8):138. 1906; *Monardella odoratissima* subsp. *pallida* (A. Heller) Epling, *Ann. Missouri Bot. Gard.* 12(1):66. 1925; *Monardella ovata* subsp. *pallida* (A. Heller) Elvin, R.B. Kelley & B.T. Drew, *Syst. Bot.* 47(3):710. 2022.

### Orobanchaceae

**Aphyllon corymbosum** var. **mutabile** (Heckard) Tiehm, **comb. nov.** *Orobanche corymbosa* subsp. *mutabilis* Heckard, *Canad. J. Bot.* 56(2):187. 1978; *Aphyllon corymbosum* subsp. *mutabile* (Heckard) A.C. Schneid., *PhytoKeys* 75:114. 2016.

**Orthocarpus cuspidatus** var. **cryptanthus** (Piper) Tiehm, **comb. nov.** *Orthocarpus cryptanthus* Piper, *Smithsonian Misc. Collect.* 50(2):200. 1907; *Orthocarpus copelandii* var. *cryptanthus* (Piper) D.D. Keck, *Proc. Calif. Acad. Sci.*, ser. 4, 16(17):559. 1927; *Orthocarpus cuspidatus* subsp. *cryptanthus* (Piper) T.I. Chuang & Heckard, *Syst. Bot.* 17(4):576. 1992.

### Polemoniaceae

**Phlox kelseyi** var. **salina** (M.E. Jones) Tiehm, **comb. nov.** *Phlox douglasii* var. *salina* M.E. Jones, *Contr. W. Bot.* 13:3. 1910; *Phlox kelseyi* subsp. *salina* (M.E. Jones) Wherry, *Notul. Nat. Acad. Nat. Sci. Philadelphia* 113:5. 1942.

## REFERENCE

TIEHM, A. 2023. New combinations for the flora of Nevada, U.S.A. *J. Bot. Res. Inst. Texas* 17(1):21–29.