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**A. A. HELLER**

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LANCASTER, PA., NOVEMBER 10, 1900.

[All unsigned articles in this journal are by the Editor, and the types of all new species described by him are deposited in his private herbarium, unless otherwise stated.]

## SOME CHANGES IN NOMENCLATURE

This article is a continuation of the first pages of the Catalogue of North American plants, issued under this date. The bare citation without discussion in most cases is undesirable, but lack of time forbids a more extended treatment of the different species under consideration.

### **Sphaerostigma Nelsonii**

*Sphaerostigma minor* Aven Nelson, Bull. Torr. Club, 26: 130. 1899; not *S. campestre minor* Small, 1896.

### **Taraxia taraxacifolia** (Wats.)

*Oenothera heterantha* var. *taraxacifolia* Wats. Proc. Am. Acad. 8: 589. 1873.

### **Phyllodoce Breweri** (A. Gray)

*Bryanthus Breweri* A. Gray, Proc. Am. Acad. 7: 367. 1867.

### **Phyllodoce Aleutica** (Spreng.)

*Menziesia Aleutica* Syreng. Syst. 2: 202. 1825.  
*Bryanthus Aleuticus* A. Gray, Proc. Am. Acad. 7: 368. 1867.

- Tetragonanthus Brentonianus** (Griseb.)  
*Halenia Brentoniana* Griseb. in Hook. Fl. Bor. Am. 2: 68.  
 1834.
- Tetragonanthus heterantha** (Griseb.)  
*Halenia heterantha* Griseb. in Hook. Fl. Bor. Am. 2: 68,  
 pl. 156 B. 1834.  
*Halenia deflexa* var. *heterantha* Fernald, Rhodora, 1: 37.  
 1899.
- Amsonia Texana** (A. Gray)  
*Amsonia angustifolia* var. *Texana* A. Gray, Syn. Fl. 2:  
 Part 1, 81. 1878.
- Macrosiphonia macrosiphon** (Torr.)  
*Echites macrosiphon* Torr. Bot. Mex. Bound. 158. 1859.  
*Macrosiphonia Berlandieri* A. Gray, Syn. Fl. 2: Part 1, 83.  
 1878.
- Vincetoxicum cynanchoides** (Engelm. & Gray)  
*Gonolobus cynanchoides* Engelm. & Gray, Bost. Journ. Nat.  
 Hist. 5: 251. 1845.
- Vincetoxicum flavidulum** (Chapm.)  
*Gonolobus flavidulus* Chapm. Fl. S. U. S. 368. 1860.
- Vincetoxicum hastulatum** (A. Gray)  
*Lachnostoma hastulata* A. Gray, Proc. Am. Acad. 11: 87.  
 1876.  
*Gonolobus hastulatus* A. Gray, Proc. Am. Acad. 12: 78.  
 1876.
- Vincetoxicum parviflorum** (Torr.)  
*Lachnostoma? parviflorum* Torr. Bot. Mex. Bound. 165.  
 1859.  
*Gonolobus parviflorus* A. Gray, Proc. Am. Acad. 12: 77.  
 1876.
- Vincetoxicum parvifolium** (Torr.)  
*Gonolobus parvifolius* Torr. Bot. Mex. Bound. 166. 1859.
- Vincetoxicum pubiflorum** (Dec.)  
*Chthamalia pubiflora* Dec. in DC. Prod. 8: 605. 1844.  
*Gonolobus pubiflorus* Engelm.; A. Gray, Proc. Am. Acad.  
 12: 77. 1876.
- In the journal cited above, Dr. Gray credits Engelman with  
 the publication of *Gonolobus pubiflorus* in Bost. Journ. Nat. Hist.

5: 252. 1845 (Plantae Lindheimerianae 44, re-paged). In that publication, under the description of *Gonolobus cynanchoides*, Engelman says: "From the description, there can be little doubt that this plant is a congener of *Chthamalia biflora*, and *C. pubiflora*, Decaisne, in DC. *prodr.*, from which it differs in the glabrous corolla, etc.; but surely it cannot be separated from *Gonolobus*, as that genus is left by Decaisne." The writer can find nothing in the above sentence to indicate that Engelman published *Gonolobus pubiflorus* in it. Torrey is also credited with the use of the same combination in Bot. Mex. Bound. 165. What he actually says under *Gonolobus biflorus*, is that "*C. (chthamalia) pubiflora*, Decaisne, l. c. is *Gonolobus prostratus* of Elliott, but not of R. Brown." Apparently the species was first properly named under *Gonolobus* in 1876, as given in the above citation.

**Vincetoxicum sagittifolium** (A. Gray)

*Gonolobus sagittifolius* A. Gray, Proc. Am. Acad. 12: 77. 1876.

**Vincetoxicum Wrightii** (A. Gray)

*Gonolobus biflorus* var. *Wrightii* A. Gray, Proc. Am. Acad. 12: 78. 1876.

In this connection it may be well to again refer to the fact pointed out by the writer several years ago (Cont. Herb. F. & M. Coll. 1: 79. 1895), that Rafinesque, and not Nuttall, is the author of the name *Gonolobus biflorus*. He published it in New Flora, 4: 58. 1836. The name with Nuttall as its author was published by Decaisne in DC. Prod. 8: 605. 1844, as a synonym of *Chthamalia biflora*. It is evident from comparison of the two descriptions, and from the type stations, that only one species was under consideration by the two authors, and that in all probability Rafinesque's description was taken from one of Nuttall's specimens.

**Gymnosteris parvula** (Rydb.)

*Gilia parvula* Rydb. Mem. N. Y. Bot. Gard. 1: 320. 1900.



- Agastache occidentalis** (Piper)  
*Vleckia occidentalis* Piper, *Erythea*, **6**: 31. 1898.
- Agastache scrophulariaefolius mollis** (Fernald)  
*Lophanthus scrophulariaefolius* var. *mollis* Fernald, *Rhodora*, **1**: 220. 1899.
- Brittonastrum lanceolatum** (A. Gray)  
*Cedronella cana* var. *lanceolata* A. Gray, *Syn. Fl.* **2**: Part 1, Ed. 2, 462. 1886.
- Brittonastrum rupestre** (Greene)  
*Cedronella rupestre* Greene, *Pittonia*, **1**: 164. 1888.
- Hedeoma oblongifolia** (A. Gray)  
*Hedeoma piperita* var. *oblongifolia* A. Gray, *Proc. Am. Acad.* **8**: 366.  
*Hedeoma thymoides* var. *oblongifolia* A. Gray, *Syn. Fl.* **2**: Part 1, 362. 1878.
- Ramona pachystachya** (A. Gray)  
*Audibertia incana* var. *pachystachya* A. Gray, *Syn. Fl.* **2**: Ed. 2, Part 1, 461. 1886.  
*Audibertia pachystachya* S. B. Parish, *Erythea*, **6**: 91. 1898.
- Elephantella attolens** (A. Gray)  
*Pedicularis attolens* A. Gray, *Proc. Am. Acad.* **7**: 384. 1867.
- Pentstemon Eastwoodiae**  
*Pentstemon Utahensis* Eastwood, *Zoe*, **4**: 124. 1893; not *P. glaber* var. *Utahensis* Wats. 1891.
- Synthyris Bullii** (Eaton)  
*Gymnandra Bullii* Eaton; Eaton & Wright, *N. A. Bot.* 259. 1840.  
*Synthyris Houghtoniana* Benth. in DC. *Prodr.* **10**: 454. 1846.  
*Wulfenia Houghtoniana* Greene, *Erythea*, **2**: 83. 1894.  
*Wulfenia Bullii* Barnhart, *Bull. Torr. Club*, **26**: 378. 1899.
- Synthyris cordata** (A. Gray)  
*Synthyris reniformis* var. *cordata* A. Gray, *Bot. Cal.* **1**: 571. 1876.  
*Synthyris rotundifolia* var. *cordata* *Syn. Fl.* **2**: Part 1, 285. 1878.  
*Wulfenia cordata* Greene, *Man. Bot. Bay Reg.* 280. 1894.

- Synthyris gymnocarpa** (Aven Nelson)  
*Wulfenia gymnocarpa* Aven Nelson, Bull. Torr. Club, 25:  
 282. 1898.
- Synthyris major** (Hook.)  
*Wulfenia reniformis* var. *major* Hook. Journ. Bot. & Kew  
 Gard. Misc. 5: 257. 1853.  
*Wulfenia major* Heller, Cat. N. A. Pl. 7. 1898.
- Synthyris Wyomingensis** (Aven Nelson)  
*Wulfenia Wyomingensis* Aven Nelson, Bull. Torr. Club, 25:  
 281. 1898.
- Tonella tenella** (Benth.)  
*Collinsia tenella* Benth. in DC. Prodr. 10: 593. 1846.  
*Tonella collinsioides* Nutt. as synonym in Benth. l. c.
- Diapedium attenuatum** (A. Gray)  
*Dicleptera brachiata* var. *attenuata* A. Gray, Syn. Fl. 2:  
 Part 1, 331. 1878.
- Antennaria plantaginifolia petiolata** (Fernald)  
*Antennaria plantaginea* var. *petiolata* Fernald, Proc. Bost.  
 Soc. Nat. Hist. 28: 242. 1898.
- Arnica Grayi**  
*Arnica cordifolia* var. *eradiata* A. Gray, Syn. Fl. 1: Part 2,  
 381. 1878; not *A. angustifolia* var. *eradiata* A. Gray, 1863.
- Brauneria angustifolia** (DC.)  
*Echinacea angustifolia* DC. Prod. 5: 554. 1836.  
*Brauneria Tennesseeensis* Beadle, Bot. Gaz. 25: 359. 1898.
- Carduus bipinnatus** (Eastwood)  
*Cnicus Drummondii* var. *bipinnatus* Eastwood, Zoe, 4: 8.  
 1893.  
*Cnicus bipinnatus* Eastwood, Proc. Cal. Acad. III. 1: 121.  
 1898.
- Carduus calcareus** (Jones)  
*Cnicus calcareus* Jones, Proc. Cal. Acad. II. 5: 704. 1895.
- Carduus ciliolatus** (Henderson)  
*Circium undulatum ciliolatum* Henderson, Bull. Torr. Club,  
 27: 348. 1900.
- Carduus clavatus** (Jones)  
*Cnicus clavatus* Jones, Proc. Cal. Acad. II. 5: 704. 1895.

**Carduus diffusus** (Eastwood)

*Cnicus Rothrockii* var. *diffusus* Eastwood, Proc. Cal. Acad. II. 6: 303.

*Cnicus diffusus* Eastwood, Proc. Cal. Acad. III. 1: 121. 1898.

**Carduus hesperius** (Eastwood)

*Cnicus Hesperius* Eastwood, Proc. Cal. Acad. III. 1: 122. 1898.

**Carduus nidulus** (Jones)

*Cnicus nidulus* Jones, Proc. Cal. Acad. II. 5: 705. 1895.

**Chrysothamnus appendiculatus** (Eastwood)

*Bigelovia graveolens appendiculata* Eastwood, Proc. Cal. Acad. III. 1: 74. 1897.

**Erigeron Cascadensis**

*Erigeron spatulifolius* Howell, Fl. N. W. Am. 1: 317. 1900;  
not *E. spathulifolius* Rydb. Bull. Torr. Club, 26: 545. 1899.

The type of this species was collected by Thomas Howell "on rocky banks, Pansy Camp, Cascade mountains, Oregon."

**Gaertneria bipinnatifida dubia** (Eastwood)

*Franseria bipinnatifida dubia* Eastwood, Proc. Cal. Acad. III. 1: 117. 1898.

**Gaertneria Chamissonis viscida** (Eastwood)

*Franseria Chamissonis viscida* Eastwood, Proc. Cal. Acad. III. 1: 117. 1898.

**Isocoma hirtella** (A. Gray)

*Linosyris hirtella* A. Gray, Pl. Wright. 1: 95. 1852.

*Bigelovia Wrightii* var. *hirtella* A. Gray, Syn. Fl. 1: Part 2, 142. 1878.

**Lacinaria Helleri** Porter

*Liatris Helleri* Porter, Bull. Torr. Club, 18: 147. 1891.

**Lacinaria pilosa** (Ait.)

*Serratula pilosa* Ait. Hort. Kew. 3: 138. 1789.

*Liatris graminifolia* var. *dubia* A. Gray, Man. Ed. 2, 185. 1856.

*Lacinaria graminifolia pilosa* Britton, Mem. Torr. Club, 5: 314. 1894.