

# Checklist of Oregon Gentianaceae

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## Centaurium

Checklist contributor: Henrietta Chambers, 6/13/2003

Flora contributor: C. Pringle

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### *Centaurium erythraea* Rafn

Common names: common centaury, European centaury

Origin: exotic, naturalized

Voucher: OSU, most recently collected in 2016.

FPN2 - 414, accepted, in Oregon (explicit), ; IL - 3:352, synonym for *Centaurium umbellatum*, in Oregon (explicit); JPM - 667, accepted, in Oregon (implied); JPM2 - 812, accepted, in Oregon (implied).

Misapplied names:

#### *Centaurium umbellatum* Gilib.

FPN - 357, accepted, in Oregon (implied); IL - 3:352, accepted, in Oregon (explicit); PEK - 604, accepted, in Oregon (explicit); VP - 4:59, accepted, in Oregon (implied).

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### *Centaurium tenuiflorum* (Hoffmanns. & Link) Fritsch

Common names: slender centaury

Origin: exotic, naturalized

Voucher: OSU, most recently collected in 2004.

JPM2 - 812, accepted, in Oregon (explicit); Pringle, 2010 - accepted, in Oregon (explicit).

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## Literature cited for *Centaurium*

(Excluding the standard references unless specifically cited in the flora manuscript.)

Hooker, W.J. 1745. *Flora boreali-americana, or, the botany of the northern parts of British America*. Volume 2. Henry G. Bohn, London, England.

Pringle, J.S. 2010. The identity and nomenclature of the Pacific North American species *Zeltnera muhlenbergii* (Gentianaceae) and its distinction from *Centaurium tenuiflorum* and other species with which it has been confused. *Madroño* 57(3):184-202.

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## Cicendia

Checklist contributor: Henrietta Chambers, 4/20/2004

Flora contributor: C. Pringle

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### *Cicendia quadrangularis* (Dombey ex Lam.) Griseb.

Common names: timwort

Origin: native

Voucher: OSU, most recently collected in 2018.

FPN - 361, accepted; FPN2 - 414, accepted, in Oregon (explicit), ; JPM - 667, accepted, in Oregon (explicit); JPM2 - 812, accepted, in Oregon (explicit).

Synonyms:

#### *Microcala quadrangularis* (Lam.) Griseb.

FPN - 361, accepted, in Oregon (explicit); IL - 3:351, accepted, in Oregon (explicit); PEK - 605, accepted, in Oregon (explicit); VP - 4:74, accepted, in Oregon (explicit).

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## Comastoma

Checklist contributor:

Flora contributor: C. Pringle

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### ***Comastoma tenellum* (Rottb.) Toyok.**

Common names: slender gentian

Origin: native

Voucher: CIC, most recently collected in 1992.

FPN2 - 415, accepted, in Oregon (implied), ; JPM2 - 812, accepted, given distribution: c&s SNH, W&I; to AK, CO; circumpolar..

Synonyms:

***Gentiana tenella* Rottb.**

FPN - 360, accepted, not in Oregon; IL - 3:359, accepted, given distribution: AK s through the Rocky Mts. to Colorado and n. AZ. In Pac States collected in Sierra Nevada from Mono Co. to Mt. Whitney CA; VP - 4:73, accepted, not in Oregon.

***Gentianella tenella* (Rottb.) Börner**

FPN - 360, accepted; IL - 3:359, accepted; IN - 4:14, accepted, in Oregon (explicit); VP - 4:73, synonym for *Gentiana tenella*.

***Gentianella tenella* (Rottb.) Börner ssp. *tenella***

JPM - 669, accepted, in Oregon (implied).

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## **Erythraea**

Checklist contributor:

Flora contributor: treatment pending

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### ***Erythraea minima* Howell**

Common names: small centuary

Origin: exotic, not naturalized

Voucher: OSU, most recently collected in 1883.

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## **Frasera**

Checklist contributor: Henrietta Chambers, 4/27/2004

Flora contributor: C. Pringle

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### ***Frasera albicaulis* Griseb. var. *albicaulis***

Common names: whitestem fraseria, Douglas' fraseria

Origin: native

Voucher: OSU, most recently collected in 2005.

FPN - 358, accepted, not in Oregon; FPN2 - 415, accepted, not in Oregon, ; VP - 4:62, accepted, not in Oregon.

Synonyms:

***Swertia albicaulis* (Douglas ex Griseb.) Kuntze var. *albicaulis***

JPM - 670, accepted, in Oregon (implied).

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### ***Frasera albicaulis* Griseb. var. *cusickii* (A. Gray) C.L. Hitchc.**

Common names: Cusick's elkweed

Origin: native

Voucher: OSU, most recently collected in 2010.

FPN - 358, accepted, in Oregon (explicit); FPN2 - 415, accepted, in Oregon (explicit), ; IN - 4:22, accepted, in Oregon (explicit); VP - 4:62, accepted, in Oregon (explicit).

Synonyms:

***Swertia cusickii* (A. Gray) H. St. John**

IL - 3:363, synonym for *Swertia nitida* (Benth.) Jepson ssp. *cusickii* (A. Gray) Abrams, in Oregon (explicit); PEK - 609, accepted, in Oregon (explicit).

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### ***Frasera albicaulis* Griseb. var. *idahoensis* (H. St. John) C.L. Hitchc.**

Common names: Idaho fraseria

Origin: native

Voucher: OSU, most recently collected in 1998.

FPN - 358, accepted, in Oregon (explicit); FPN2 - 415, accepted, in Oregon (explicit), ; VP - 4:62, accepted, in Oregon (explicit).

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***Frasera albicaulis* Griseb. var. *modocensis* (H. St. John) N.H. Holmgren**

Common names: Modoc fraseria

Origin: native

Voucher: OSU, most recently collected in 2018.

IN - 4:22, accepted, in Oregon (explicit); JPM2 - 813, accepted, in Oregon (implied).

Synonyms:

***Swertia modocensis* H. St. John**

IL - 3:363, uncertain, mentioned under *S. albicaulis* as a recent segregate, but not fully treated, and no definitive acceptance or rejection of the split.; PEK - 609, accepted, in Oregon (explicit).

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***Frasera albicaulis* Griseb. var. *nitida* (Benth.) C.L. Hitchc.**

Common names: whitestem elkweed

Origin: native

Voucher: OSU, most recently collected in 2012.

FPN - 358, accepted, in Oregon (explicit); FPN2 - 415, accepted, in Oregon (explicit); ; IN - 4:22, accepted; JPM2 - 813, accepted, in Oregon (explicit); VP - 4:62, accepted, in Oregon (explicit).

Synonyms:

***Frasera albicaulis* Griseb. var. *columbiana* (H. St. John) C.L. Hitchc.**

FPN - 358, accepted, in Oregon (explicit); FPN2 - 415, accepted, in Oregon (explicit); ; VP - 4:62, accepted, in Oregon (explicit).

***Swertia albicaulis* (Douglas ex Griseb.) Kuntze var. *nitida* (Benth.) Jeps.**

IL - 3:363, synonym for *Swertia nitida* (Benth.) Jepson ssp. *nitida*, in Oregon (explicit); JPM - 670, accepted, in Oregon (explicit); PEK - 608, accepted, in Oregon (explicit).

***Swertia columbiana* H. St. John**

FPN - 358, synonym for *Frasera albicaulis* var. *columbiana*, in Oregon (explicit); IL - 3:363, synonym for *Swertia nitida* (Benth.) Jepson ssp. *nitida*, in Oregon (explicit); PEK - 609, accepted, in Oregon (explicit).

***Swertia nitida* (Benth.) Jeps.**

IL - 3:363, accepted; PEK - 608, accepted, in Oregon (explicit).

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***Frasera speciosa* Douglas ex Griseb.**

FPN - 357, accepted, in Oregon (implied); GWM - 272, synonym for *Swertia radiata*, in Oregon (explicit); IL - 3:362, accepted; IN - 4:18, accepted, not in Oregon; JPM2 - 814, accepted, in Oregon (implied); VP - 4:63, accepted, in Oregon (implied).

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***Frasera speciosa* Douglas ex Griseb. var. *speciosa***

Common names: giant fraseria

Origin: native

FPN2 - 415, accepted, in Oregon (implied).

Synonyms:

***Swertia radiata* (Kellogg) Kuntze**

FPN - 357, synonym for *Frasera speciosa*, in Oregon (implied); GWM - 272, accepted; IL - 3:362, accepted, in Oregon (explicit); JPM - 670, accepted, in Oregon (implied); PEK - 608, accepted, in Oregon (explicit).

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***Frasera umpquaensis* M. Peck & Applegate**

Common names: Umpqua fraseria

Origin: native

Voucher: OSU, most recently collected in 1991.

FPN2 - 415, accepted, in Oregon (explicit); ; JPM2 - 814, accepted, in Oregon (explicit).

Synonyms:

***Swertia umpquaensis* (M. Peck & Applegate) H. St. John**

IL - 3:362, accepted, in Oregon (explicit); PEK - 608, accepted, in Oregon (explicit).

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## Gentiana

Checklist contributor: Henrietta Chambers, 4/13/2004

Flora contributor: C. Pringle

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***Gentiana affinis* Griseb.**

FPN - 359, accepted, in Oregon (implied); FPN2 - 417, accepted, in Oregon (explicit); ; GWM - 270, accepted, in Oregon (explicit); PEK - 606, accepted, in Oregon (explicit).

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***Gentiana affinis* Griseb. var. *affinis***

Common names: pleated gentian, prairie gentian

Origin: native

Voucher: OSU, most recently collected in 2002.

Synonyms:

***Gentiana affinis* Griseb. var. *parvidentata* Kusn.**

IL - 3:356, accepted, in Oregon (explicit).

***Gentiana interrupta* Greene**

PEK - 606, accepted, in Oregon (explicit).

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***Gentiana affinis* Griseb. var. *ovata* A. Gray**

Common names: Oregon gentian

Origin: native

Voucher: OSU, most recently collected in 2016.

IL - 3:356, synonym for *Gentiana oregana*, in Oregon (explicit); JPM - 668, accepted, in Oregon (explicit); JPM2 - 814, accepted, in Oregon (implied).

Synonyms:

***Gentiana affinis* Griseb. var. *oregana* Engelm. ex A. Gray**

IN - 4:10, accepted, in Oregon (explicit).

***Gentiana oregana* Engelm.**

FPN - 359, synonym for *Gentiana affinis*, in Oregon (implied); GWM - 271, accepted; IL - 3:356, accepted, in Oregon (explicit); PEK - 606, accepted, in Oregon (explicit).

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***Gentiana calycosa* Griseb.**

Common names: explorer's gentian, mountain bog gentian

Origin: native

Voucher: OSU, most recently collected in 2018.

FPN - 359, accepted, in Oregon (implied); FPN2 - 417, accepted, in Oregon (implied); ; GWM - 270, accepted, in Oregon (explicit); IL - 3:358, accepted, in Oregon (implied); IN - 4:10, accepted, in Oregon (implied); JPM - 668, accepted, in Oregon (implied); JPM2 - 814, accepted, in Oregon (implied); PEK - 607, accepted, in Oregon (explicit); VP - 4:68, accepted.

Synonyms:

***Gentiana calycosa* Griseb. var. *calycosa***

FPN - 359, accepted, in Oregon (implied); VP - 4:69, accepted, in Oregon (implied).

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***Gentiana newberryi* A. Gray**

FPN - 359, accepted, in Oregon (explicit); IL - 3:356, accepted, in Oregon (explicit); IN - 4:12, accepted, in Oregon (explicit); JPM - 668, accepted, in Oregon (explicit); PEK - 607, accepted, in Oregon (explicit).

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***Gentiana newberryi* A. Gray var. *newberryi***

Common names: Newberry's gentian

Origin: native

Voucher: OSU, most recently collected in 2017.

FPN2 - 416, accepted, in Oregon (explicit); ; JPM - 668, accepted, in Oregon (explicit); JPM2 - 816, accepted, in Oregon (explicit).

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***Gentiana plurisetosa* C.T. Mason**

Common names: bristly gentian, Klamath gentian, elegant gentian

Origin: native

Voucher: OSU, most recently collected in 2003.

JPM - 668, accepted, in Oregon (explicit); JPM2 - 816, accepted, in Oregon (explicit).

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***Gentiana prostrata* Haenke**

FPN - 359, accepted, given distribution: Alas s in RM to Colo,w to Utah, Nev, and c Ida; no Cal; FPN2 - 416, accepted, in Oregon (explicit), ours var. *prostrata*; IN - 4:8, accepted, in Oregon (explicit); JPM - 669, accepted, in Oregon (implied); JPM2 - 816, accepted, in Oregon (implied); VP - 4:72, accepted, in Oregon (implied).

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### ***Gentiana prostrata* Haenke var. *prostrata***

Common names: moss gentian

Origin: native

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### ***Gentiana sceptrum* Griseb.**

Common names: king's gentian, staff gentian

Origin: native

Voucher: OSU, most recently collected in 2016.

FPN - 359, accepted, in Oregon (implied); FPN2 - 416, accepted, in Oregon (implied); ; IL - 3:356, accepted; JPM - 669, accepted, in Oregon (implied); JPM2 - 816, accepted, in Oregon (implied); VP - 4:72, accepted, in Oregon (implied).

Synonyms:

***Gentiana menziesii* Griseb.**

PEK - 606, accepted, in Oregon (explicit).

***Gentiana sceptrum* Griseb. var. *cascadensis* M. Peck**

PEK - 606, accepted, in Oregon (explicit).

***Gentiana sceptrum* Griseb. var. *humilis* Engelm.**

IL - 3:358, accepted, in Oregon (explicit).

***Gentiana sceptrum* Griseb. var. *sceptrum***

IL - 3:356, (subtaxon implied), accepted, in Oregon (explicit); PEK - 606, (subtaxon implied), accepted, in Oregon (explicit).

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### ***Gentiana setigera* A. Gray**

Common names: elegant gentian, Mendocino gentian

Origin: native

Voucher: OSU, most recently collected in 2016.

IL - 3:358, accepted, not in Oregon; JPM - 669, accepted, in Oregon (explicit); JPM2 - 816, accepted, in Oregon (explicit).

Synonyms:

***Gentiana bisetata* Howell**

IL - 3:358, accepted, in Oregon (explicit); PEK - 607, accepted, in Oregon (explicit).

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## **Literature cited for *Gentiana***

(Excluding the standard references unless specifically cited in the flora manuscript.)

Chambers, K.L. and J. Greenleaf. 1989. *Gentiana setigera* is the correct name for *G. bisetata* (Gentianaceae). *Madroño* 36(1):49-50.

Mason, C.T. 1960. Studies in the perennial Gentians: *G. newberryi* and *G. tiogana*. *Madroño* 15:233-239.

Mason, C.T. 1990. A new *Gentiana* (Gentianaceae) from Northern California and Southern Oregon. *Madroño* 37:289-292.

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## **Gentianella**

Checklist contributor: Henrietta Chambers, 4/13/2004

Flora contributor: C. Pringle

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### ***Gentianella amarella* (L.) Börner**

FPN - 360, accepted; GWM - 271, synonym for *Gentiana amarella* var. *acuta*, in Oregon (explicit); IN - 4:12, accepted, in Oregon (implied).

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### ***Gentianella amarella* (L.) Börner ssp. *acuta* (Michx.) J.M. Gillett**

Common names: northern gentian, felwort

Origin: native

Voucher: OSU, most recently collected in 2015.

JPM - 669, accepted, in Oregon (implied); JPM2 - 816, accepted, in Oregon (implied).

Synonyms:

***Gentiana amarella* L.**

FPN - 360, accepted, in Oregon (implied); VP - 4:66, accepted, in Oregon (implied).

***Gentiana amarella* L. var. *acuta* (Michx.) Herder**

GWM - 271, accepted, in Oregon (explicit); IL - 3:359, accepted, in Oregon (implied); PEK - 605, accepted, in Oregon (explicit).

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## Literature cited for *Gentianella*

(Excluding the standard references unless specifically cited in the flora manuscript.)

Gillett, J.M. 1957. A revision of the North American species of *Gentianella* Moench. *Annals of the Missouri Botanical Garden* 44:195-269.

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## Gentianopsis

Checklist contributor: Henrietta Chambers, 4/13/2004

Flora contributor: C. Pringle

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### *Gentianopsis simplex* (A. Gray) H.H. Iltis

Common names: one flowered gentian

Origin: native

Voucher: OSU, most recently collected in 2016.

FPN2 - 417, accepted, in Oregon (explicit), ; IN - 4:16, accepted, in Oregon (explicit); JPM - 669, accepted, not in Oregon; JPM2 - 816, accepted, in Oregon (explicit).

Synonyms:

*Gentiana simplex* A. Gray

FPN - 359, accepted, in Oregon (explicit); GWM - 271, synonym for *Gentianella simplex*, in Oregon (explicit); IL - 3:360, accepted, in Oregon (explicit); PEK - 606, accepted, in Oregon (explicit); VP - 4:73, accepted, in Oregon (explicit).

*Gentianella simplex* (A. Gray) J.M. Gillett

GWM - 271, accepted.

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## Literature cited for *Gentianopsis*

(Excluding the standard references unless specifically cited in the flora manuscript.)

Iltis, H.H. 1965. The genus *Gentianopsis* Moench. *Sida* 2:129-154.

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## Swertia

Checklist contributor: Henrietta Chambers, 4/20/2004

Flora contributor: C. Pringle

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### *Swertia perennis* L.

Common names: swertia

Origin: native

Voucher: OSU, most recently collected in 2019.

FPN - 361, accepted, in Oregon (implied); FPN2 - 418, accepted, in Oregon (explicit), ; GWM - 272, accepted; IN - 4:16, accepted, in Oregon (explicit); JPM - 670, accepted, in Oregon (explicit); JPM2 - 817, accepted, in Oregon (explicit); KZ - 1:322, accepted; PEK - 608, accepted, in Oregon (explicit); St. John, 1941 - 26:1-29, accepted; VP - 4:76, accepted, in Oregon (implied).

Synonyms:

*Swertia perennis* L. var. *obtusata* (Ledeb.) Ledeb. ex Griseb.

IL - 3:362, accepted, in Oregon (explicit).

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## Literature cited for *Swertia*

(Excluding the standard references unless specifically cited in the flora manuscript.)

St. John, H. 1941. Revision of the genus *Swertia* (Gentianaceae) of the Americas and the reduction of *Frasera*. *American Midland Naturalist* 26:1-29.

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## Zeltnera

Checklist contributor: Stephen Meyers, 1/5/2011

Flora contributor: C. Pringle

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### ***Zeltnera exaltata* (Griseb.) Mansion**

Common names: western centaury, Great Basin centaury

Origin: native

Voucher: OSU, most recently collected in 2019.

FPN2 - 418, accepted, in Oregon (implied), ; JPM2 - 817, accepted, in Oregon (implied); Mansion, 2004 - .

Synonyms:

***Centaurium exaltatum* (Griseb.) W. Wight ex Piper**

FPN - 357, accepted, in Oregon; IL - 3:354, accepted, in Oregon (explicit); IN - 4:6, accepted, in Oregon (implied);

JPM - 667, accepted, in Oregon (implied); PEK - 604, accepted, in Oregon (explicit); VP - 4:58, accepted, in Oregon (implied).

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### ***Zeltnera muehlenbergii* (Griseb.) Mansion**

Common names: Monterey centaury, Muehlenberg's centaury

Origin: native

Voucher: OSU, most recently collected in 2021.

FPN2 - 418, accepted, in Oregon (explicit), ; JPM2 - 817, accepted, in Oregon (implied); Mansion, 2004 - .

Synonyms:

***Centaurium muehlenbergii* (Griseb.) W. Wight ex Piper**

Grisebach, 1839 - ; IN - 4:5, accepted, in Oregon (explicit); JPM - 667, accepted, not in Oregon.

***Centaurium muhlenbergii* (Griseb.) W. Wight ex Piper**

orthographic variant

FPN - 357, accepted, in Oregon (explicit); IL - 3:352, accepted, in Oregon (explicit); PEK - 604, accepted, in Oregon (explicit); VP - 4:58, accepted, in Oregon (explicit).

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### **Literature cited for *Zeltnera***

(Excluding the standard references unless specifically cited in the flora manuscript.)

Grisebach, A.H.R. 1839. Genera et Species Gentianearum adjectis Observationibus Quibusdam Phytogeographicis. J.G. Cottae, Stuttgart, Germany.

Mansion, G. 2004. A new classification of the polyphyletic genus *Centaurium* Hill (Chironiinae, Gentianaceae): description of the New World endemic *Zeltnera*, and reinstatement of *Gyrandra* Griseb. and *Schenkia* Griseb. *Taxon* 53:719-740.

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## Excluded names:

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### **Centaurium pulchellum (Sw.) Druce**

FPN2 - 414, accepted, in Oregon (explicit), ; Hooker, 1745 - ; JPM2 - 812, accepted, in Oregon (implied).

### **Frasera fastigiata (Pursh) A. Heller**

FPN - 358, accepted, in Oregon (explicit); FPN2 - 415, accepted, in Oregon (explicit), ; IL - 3:362, accepted, in Oregon (explicit); VP - 4:62, accepted, in Oregon (explicit), Blue Mts. of Oregon.

Synonyms:

#### ***Swertia fastigiata Pursh***

IL - 3:362, accepted, in Oregon (explicit); JPM - 670, accepted, in Oregon (explicit); PEK - 608, accepted, in Oregon (explicit).

## Literature cited for Gentianaceae

(Excluding the standard references unless specifically cited in the flora manuscript.)

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Chambers, K.L. and J. Greenleaf. 1989. *Gentiana setigera* is the correct name for *G. bisetata* (Gentianaceae). *Madroño* 36(1):49-50.

Gillett, J.M. 1957. A revision of the North American species of *Gentianella* Moerch. *Annals of the Missouri Botanical Garden* 44:195-269.

Grisebach, A.H.R. 1839. *Genera et Species Gentianearum adjectis Observationibus Quibusdam Phytogeographicis*. J.G. Cotta, Stuttgart, Germany.

Hooker, W.J. 1745. *Flora boreali-americana, or, the botany of the northern parts of British America*. Volume 2. Henry G. Bohn, London, England.

Iltis, H.H. 1965. The genus *Gentianopsis* Moerch. *Sida* 2:129-154.

Mansion, G. 2004. A new classification of the polyphyletic genus *Centaurium* Hill (Chironiinae, Gentianaceae): description of the New World endemic *Zeltnera*, and reinstatement of *Gyrandra* Griseb. and *Schenkia* Griseb. *Taxon* 53:719-740.

Mason, C.T. 1960. Studies in the perennial Gentians: *G. newberryi* and *G. tiogana*. *Madroño* 15:233-239.

Mason, C.T. 1990. A new *Gentiana* (Gentianaceae) from Northern California and Southern Oregon. *Madroño* 37:289-292.

Pringle, J.S. 2010. The identity and nomenclature of the Pacific North American species *Zeltnera muhlenbergii* (Gentianaceae) and its distinction from *Centaurium tenuiflorum* and other species with which it has been confused. *Madroño* 57(3):184-202.

St. John, H. 1941. Revision of the genus *Swertia* (Gentianaceae) of the Americas and the reduction of *Frasera*. *American Midland Naturalist* 26:1-29.

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### Abbreviations Used

FN = Flora of North America

FPN = Flora of the Pacific Northwest

FOO = Flora of Oregon

GWM = Guide to the plants of the  
Wallowa Mountains of northeastern

IL = An Illustrated Flora of the Pacific States

IN = Intermountain Flora

IPNI = The International Plant Names Index

JPM = The Jepson manual

KZ = A synonymized checklist...(Kartesz)

PEK = A manual of the higher plants of Oregon

PLANTS = <http://plants.usda.gov>

VP = Vascular Plants of the Pacific Northwest

a- = no authority given in the reference

a+ = authority in the reference matches checklist

a± = authority abbreviation in the reference differs

sa = authority at the specific level in the reference

ssa = authority at the subspecific level in the reference