

Columbines School of Botanical Studies  
Spring Apprenticeship Program  
Trip #2 Liliaceae

April 14, 15, 18, 2017

Low Elevation Riparian Zone and Coniferous Woods 2000'

Family	Genus	Name	Uses
Araceae	<i>Lysichiton americanus</i> (L. amer	<b>Skunk Cabbage</b>	-/+ Edible
Melanthiaceae (Liliaceae)	<i>Trillium ovatum</i>	<b>Birth Root</b>	No Pick
Ranunculaceae	<i>Anemone lyallii</i>	<b>Small Windflower</b>	Poisonous
Berberidaceae	<i>Berberis nervosa</i>	<b>Mountain Oregon Grape</b>	Edible, Medicinal
Fumariaceae	<i>Dicentra formosa</i>	<b>Bleeding Hearts</b>	Poisonous, Medicinal
Rosaceae	<i>Oemleria cerasiformis</i>	<b>Osoberry</b>	Edible
Violaceae	<i>Viola glabella</i>	<b>Woods Violet</b>	Edible (Choice)
Scrophulariaceae	<i>Synthyris reniformis</i>	<b>Snow Queen</b>	Edibility unknown
Valerianaceae	<i>Valeriana scouleri</i>	<b>Low-elevation Valerian</b>	Medicinal
Asteraceae (Compositae)	<i>Petasites frigidus</i>	<b>Western Coltsfoot</b>	Edible, Medicinal (PA's)

<http://www.botanicalstudies.net/botany/plantlists.php>

**Columbines School of Botanical Studies**  
**Low Elevation Coniferous Woods**  
**Field Trip #2 Liliaceae**

**Botany**

Inflorescences

Monocot Families - Liliaceae, Orchidaceae, Iridaceae, Araceae

Compound vs. simple leaves

Meaning of the word "generally"

Liliaceae family description

Trillium genus description

Keyed out: *Trillium ovatum*

**Low Elevation Coniferous Woods**

*Trillium ovatum* ecology

Locating *Berberis nervosa* by plant associations

Plant population monitoring: *Berberis nervosa*

**Animal Interactions**

Deer and or Elk Trail

Elk Scat

“The trilliums are rather easily grown, and *T. ovatum* in particular is an excellent addition to the native garden in the partial shade of such shrubs as rhododendrons, but it is a shame to dig them, especially since they grow readily from seeds. It has been said that the gathering of the flowering stem results in death of the plant, which is scarcely true, but it does rob the rhizome of stored food needed for the growth of the succeeding year’s flowering stem, often resulting in failure to flower. If the admonition was invented to discourage picking of the flowers, the statement should be that the picker, not the picked, will die, but justice rarely is so obvious.”

-C. Leo Hitchcock