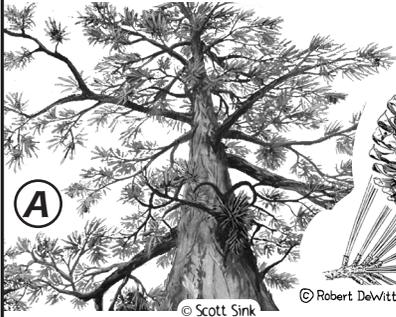




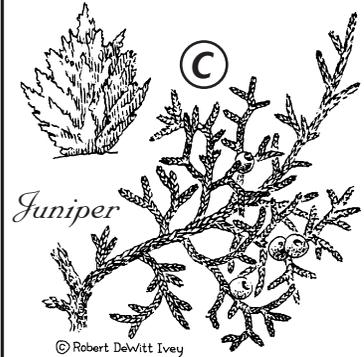
## Ponderosa pine forests



*Ponderosa pine*



*Gambel oak*



*Juniper*

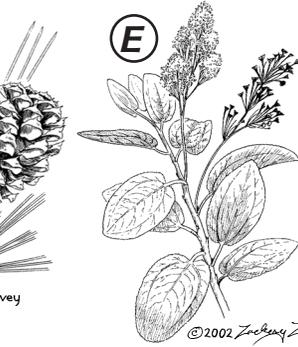


*Barberry*

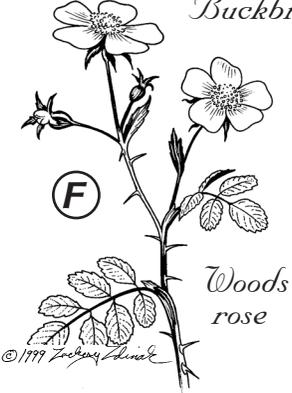
*Ponderosa pine* (*Pinus ponderosa*) • Tree up to 120' tall, 40' wide; much smaller in thickets. Bark black, turning yellow with age, smells like vanilla. 2-3 needles per cluster, cones 3-6" long.

*Gambel oak* (*Quercus gambelii*) • Small tree to 8-50' tall, crown 5-30' wide. Leaves lobed. Acorns 1" long. Bark gray, checkered to flakey.

*Juniper* (*Juniperus* spp.) • Tree 20-40' high, 5-20' wide. Needles short, scaly. Cones ("berries") round, red or purple, ½" diameter, smell of gin. Utah juniper: bark shaggy. Rocky Mt., one-seed juniper: bark scaly. Alligator juniper: bark checkered.



*Buckbrush*



*Woods rose*



*Skunkbush sumac*

*Barberry* (*Mahonia repens*) • Shrub up to 1' tall and 1' wide. Leaves 2-3" long and 1-2" wide, often mottled red, serrated edges, evergreen. Flowers yellow, maturing to blue berries.

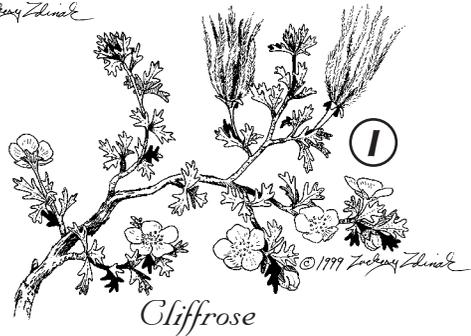
*Buckbrush* (*Ceanothus fendlerii*) • Shrub to 3' tall, 3' wide. Branches have small spines. Leaves dark green, ½" long. Flowers white, in tiny clumps. Grows vigorously after fire.

*Woods' rose* (*Rosa woodsii*) • Shrub 1-6' tall and 3-6' wide. Leaves 2" long, compound with 5-9 leaflets, serrated edges. Flowers pink, 2" wide, five petals, maturing to red rosehips, ½" long. Thorns to ½" long.

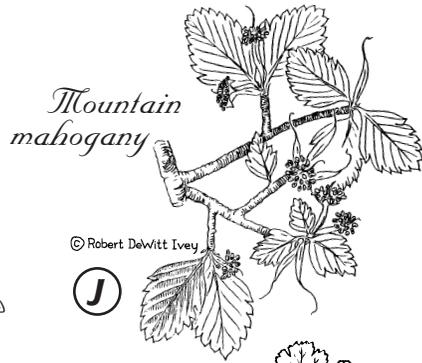
*Skunkbush sumac* (*Rhus trilobata*) • Shrub up to 7' tall. Leaves 1-2", lobed. Flowers yellow-white in small clusters, maturing to sticky red berries.



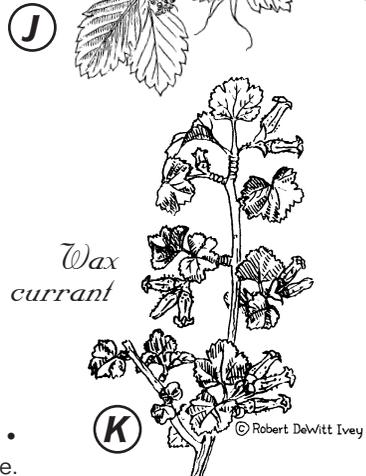
*New Mexico locust*



*Cliffrose*



*Mountain mahogany*



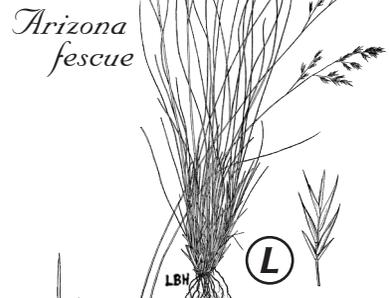
*Wax currant*

*New Mexico locust* (*Robinia neomexicana*) • Shrub 5-30' tall 5-20' wide. Stems light brown, covered with thorns. Leaves 12" long, compound with 9-15 leaflets. Flowers white-pink, ½" long in clusters. Bean-like seedpods.

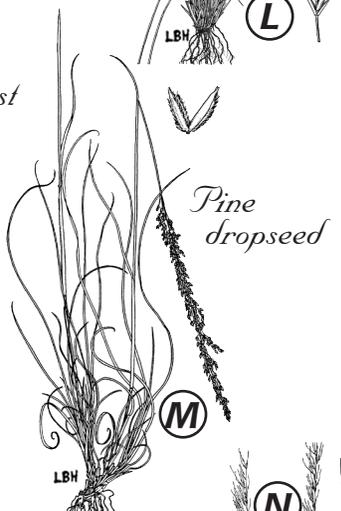
*Cliffrose* (*Purshia mexicana*) • Shrub to 12', 8" wide, much smaller in harsh conditions. Bark gray, shreddy. Leaves ½-¾" long, deeply lobed, white underneath. Flowers cream-colored, 1" wide. Fruits feather-tailed, clustered.

*Mountain mahogany* (*Cercocarpus montanus*) • Shrub to 9'. Leaves dark green, leathery, to ½" long. Flowers yellow and red, trumpet-shaped, 2" long.

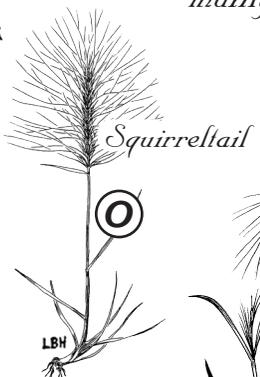
*Wax currant* (*Ribes cereum*) • Shrub to 4' tall. Red or tan twigs. Leaves lobed, ¾-1½" long. Berries red, waxy.



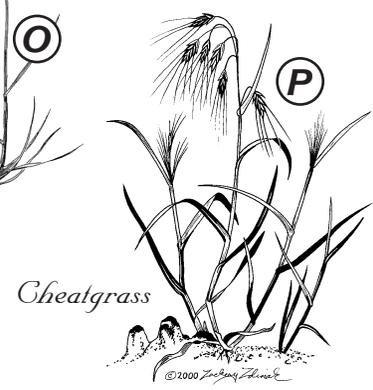
*Arizona fescue*



*Pine dropseed*



*Squirreltail*



*Cheatgrass*

*Arizona fescue* (*Festuca arizonica*) • Bunchgrass, 1-3' tall. Leaves (blades) tightly rolled, appear cylindrical. Seed heads golden.

*Pine dropseed* (*Blepharoneuron tricholepis*) • Bunchgrass, 6-8", leaf blades abundant, slender, erect. Seed heads blue-gray.

*Mountain muhly* (*Muhlenbergia montana*) • Bunchgrass 10-30' tall. Dead blades curl like wood shavings. Seed heads blue-grey.

*Squirreltail* (*Elymus elymoides*) • Perennial grass up to 20" tall and 15" wide. Leaf blades come from base of plant, generally smooth. Seed heads resemble a "bottlebrush," seeds 1-3" long.

*Cheatgrass* (*Bromus tectorum*) • Grass to 2'. Blades emerge in fall. Seedheads red/purple, drooping. Rapid spring growth, matures before other grasses; invasive species

## Trees, shrubs, and grasses



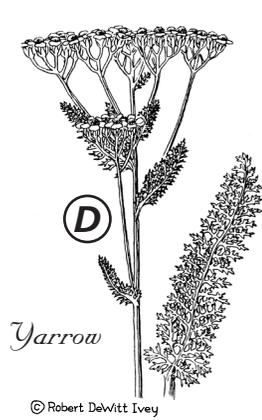


## Ponderosa pine forests



Locoweed

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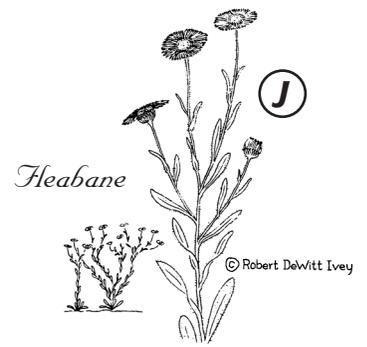
Yarrow

© Robert DeWitt Ivey



Mullein

© Robert DeWitt Ivey



Fleabane

© Robert DeWitt Ivey



Rocky Mountain iris

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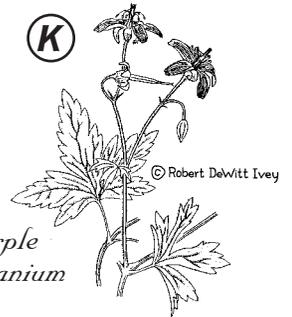
Bracken fern

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Silvery lupine

©1999 Zackery Zdinak



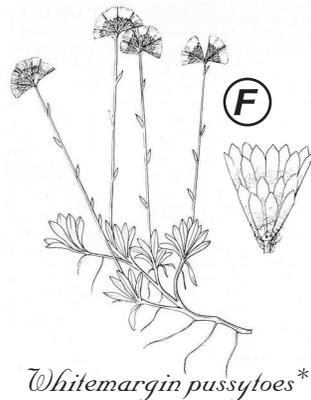
Purple geranium

© Robert DeWitt Ivey

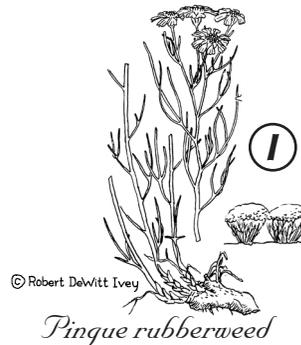


Scarlet gilia

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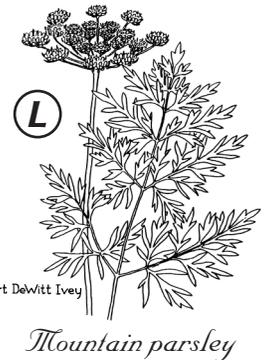


Whitemargin pussytoes\*



Pingue rubberweed

© Robert DeWitt Ivey



Mountain parsley

© Robert DeWitt Ivey

**Locoweed (*Oxytropis lambertii*)**  
•  $\frac{3}{4}$ " long purple pea-like flowers in clusters to 9" tall. Leaves to 5" long with 11–17 fuzzy leaflets, sometimes appearing gray. Seedstalk turns pale yellow and stays standing after releasing seed.

**Rocky Mountain iris, blue flag (*Iris missouriensis*)** • Common in moist sites, and into the mixed conifer zone. Showy purplish petals and white sepals with blue stripes on round stem to 24" tall. Long, narrow leaves from base of plant. Grows in groups. Growth depends on adequate snowfall.

**Scarlet gilia, skyrocket (*Ipomopsis aggregata*)** • Bright red, trumpet-shaped flowers along stalk to 3' tall. Dark green leaves with narrow lobes. First year it consists of leaves close to the ground, second year it grows higher and then flowers.

**Yarrow (*Achillea millefolium*)** • Feathery leaves 2–6" long,  $\frac{1}{2}$ " wide in rosettes of many leaves. White flat-topped clusters of flowers on stalk 6–20" tall.

**Bracken fern (*Pteridium aquilinum*)** • A large fern, to 3' tall. Fronds triangular, usually with three leaflets with many tiny leaves. Grows in large colonies in fields, brushy areas, and woods. Thick root-like underground stems, to 6' long; many fronds may grow from each stem. Vigorous after disturbance. Cover for small animals and emerging plants.

**Whitemargin pussytoes (*Antennaria marginata*)** • Small plant lying close to ground forming mats. Necktie shaped leaves  $\frac{1}{2}$ –1" long, slightly hairy underneath, with a white appearance. White clusters of flowers on stalks 2–4" tall.

**Mullein (*Verbascum thapsus*)** • Readily invades disturbed sites but only persists for a few years. First year forms basal rosette of large soft, fuzzy leaves, second year sends up seed stalk to 7' high. Hundreds of bright yellow flowers maturing to round-seed pods of tiny black seeds. Seed stalk dries to a stout brown shaft that persists through winter.

**Silvery lupine (*Lupinus argenteus*)** • Branching flowers to 3' tall. Leaves fuzzy when young; 5–9 narrow lobes; pea-like flowers in tall clusters; purple. Aggressive growth after fire.

**Pingue rubberweed (*Hymenoxys richardsonii*)** • To 12" tall, several to dozens of woody stems in a bunch, wooly at base. Yellow daisy-like flowers  $\frac{1}{2}$ " wide maturing to wooly tufts of seeds. Very narrow leaves, poisonous to livestock.

**Fleabane (*Erigeron* spp.)** • Many species. Small white, pink, or light purple flowers with numerous narrow petals and yellow center.

**Purple geranium (*Geranium caespitosum*)** • Pink or purple flowers; up to 10" tall; few flowers per plant. Thin creeping stems, often red. Leaves five-lobed, smelly when crushed, red in autumn.

**Mountain parsley (*Pseudocymopterus montanus*)** • Up to 30" tall. Yellow flowers in flat-topped clusters. Leaves green, broad, feathery, with many pointed lobes. Strong scent.

\* Cronquist, A. and A. H. Holmgren, N. H. Holmgren, J. L. Reveal and P. K. Holmgren. 1994. *Intermountain Flora Vascular Plants of the Intermountain West, USA*. The New York Botanical Garden, Bronx, NY. Volume 5.

## Wildflowers