

**KEY BY LEAF DESCRIPTION FOLLOWED BY FLOWER  
DESCRIPTION  
PLANT ID KEY (TO FAMILY AND SOMETIMES SPECIES)  
FOR ARCHES NATIONAL PARK**

Key © Alicia Lafever

**EVERGREEN TREES**

1. Leaves opposite or in whorls, evergreen scale-like leaves –  
**Cupressaceae (Cypress)**
2. Leaves spirally arranged, needles in groups of 2 – **Pinaceae (Pine)**

**EVERGREEN SHRUBS**

1. Leaves are reduced to small triangular teeth at joints, green jointed stems, shrublike – **Ephedraceae (Jointfir)**

**DECIDUOUS TREES**

1. Leaves opposite
  - A. Leaves simple
    - i. Flowers with no petals, 4 yellow to whitish lobed sepals –  
**Oleaceae (Olive)**
    - ii. Flowers with 5 united white petals and 5 united sepals –  
**Bignoniaceae (Catalpa)**
  - B. Leaves compound
    - i. No petals, 4 -5 greenish, yellow sepals –  
**Aceraceae (Maple)** – Boxelder (*Acer negundo*)
2. Leaves alternate
  - A. Leaves scale-like, 5 fragrant white to lavender petals, 5 sepals, flowers borne in elongated clusters – **Tamaricaceae (Tamarisk)**
  - B. Leaves simple
    - i. Flowers with 0 petals –
      - a. Flowers with no petals, shrublike, 2 to 8 greenish, yellow sepals – **Fagaceae (Beech)** – (also listed under shrubs)
      - b. Flowers with no petals, borne in axillary clusters, yellow or yellow-green sepals (generally 4) – **Elaeagnaceae (Oleaster)**
      - c. Flowers with 0 petals; 4-8 green sepals; flowers borne in clusters - **Ulmaceae (Elm)**
    - ii. Flowers with no petals, 0-4 sepals, stamens 1 to many; borne in catkins
      - a. Male (staminate) flowers and female (pistillate) flowers on separate trees. Borne in catkins. No sepals, greenish, yellow – **Salicaceae (Willow)**

- b. Male (staminate) flowers and female (pistillate) flowers on the same tree. Borne in catkins. Staminate flowers have 0-4 sepals, pistillate flowers have no sepals. Greenish, yellow – **Betulaceae (Birch)**
- c. Male (staminate) flowers and female (pistillate) flowers on the same tree. Borne in catkins. No petals, 4 sepals, 4 stamens, 1 pistil – **Moraceae (Mulberry)** – *Morus alba*
- d. Male (staminate) flowers and female (pistillate) flowers on different trees. Borne in catkins. No petals, 4 sepals, 4 stamens, 1 pistil – **Moraceae (Mulberry)** – *Morus rubra*
- B. Leaves compound, 5 white or pale pink petals, 5 sepals – **Fabaceae (Pea)** – *Robinia pseudoacacia*

## SHRUBS

- 1. Leaves opposite
  - A. Leaves simple
    - i. Flowers with 0 petals –
      - a. Yellow flowers with no petals, 4 yellow sepals – **Rosaceae (Rose)**– *Coleogyne ramosissima* (others in shrubs -alternate, simple, 0 petals; shrubs – alternate, simple, 5 petals; and shrubs – alternate, compound, 5 petals)
      - b. Plants parasitic on branches of trees and shrubs; without chlorophyll; fragile-jointed with swollen jointed nodes; leathery (often scale-like) leaves; flowers with 0 petals; 2-5 sepals; staminate and pistillate flowers - **Viscaceae (Mistletoe)**
    - ii. Flowers with 4 distinct petals, 4 sepals –
      - a. 4 distinct small white petals in terminal cymes, 4 very small sepals. Not commonly seen. - **Cornaceae (Dogwood)**: *Cornus sericea* var. *sericea*
      - b. Flowers with 4 white clawed petals, 4 sepals - **Saxifragaceae (Saxifrage)** – *Fendlera rupicola* (others in shrubs-alternate, simple)
    - iii. Flowers with 5 united petals, 5 small sepals –
      - a. Leaves oval, flowers pink, tubular and flare open at the mouth; flowers solitary or in pairs – **Caprifoliaceae (Honeysuckle)**
      - b. Leaves narrow, flowers purple – **Lamiaceae (Mint)** – *Poliomintha incana*
- 2. Leaves alternate
  - A. Leaves simple
    - i. Flowers appear to be a single flower, but are composed of several flowers; flowers can be yellow, white, purple, pink or greenish– some **Asteraceae (Sunflower)**
    - ii. Flowers with no petals

- a. leaves bluish, small, 2-5 green, yellow, or brown sepals – **Chenopodiaceae (Goosefoot)** (others in subshrubs and herbs)
- b. 3 to 6 petaloid whitish sepals - **Polygonaceae (Buckwheat)**– *Eriogonum bicolor*, *Eriogonum microthecum*, *Eriogonum leptocladon* (others in subshrubs and herbs – alternate, simple and herbs - basal, simple)
- c. 4 yellowish, brownish sepals – **Rosaceae (Rose)** – *Cercocarpus* (others in shrubs -alternate, simple, 5 petals; shrubs – alternate, compound, 5 petals; and shrubs -opposite, simple, 0 petals)
- d. 2 to 8 greenish, yellow sepals – **Fagaceae (Beech)** – also listed under trees
- iii. Flowers with 4-5 petals, 4-5 sepals -
  - a. 4 or 5 whitish green petals, distinct, or absent; 4 or 5 united sepals; flowers grow in clusters in the angle between the leaf and the stem; shrub 3-8 feet tall - **Rhamnaceae (Buckthorn)** *Rhamnus betulifolia*
  - b. Flowers with 5 (4) white petals often smaller than the sepals, 5 sepals, mostly petaloid – **Saxifragaceae (Saxifrage)** - *Ribes inerme* (others in shrubs – opposite, simple)
  - c. 5 petals, 5 sepals, flowers white, cream, yellow, or pink – **Rosaceae (Rose)** – *Amelanchier*, *Holodiscus*, *Petrophytum*, *Physocarpus*, *Purshia* (others in shrubs -alternate, simple, 0 petals; shrubs – alternate, compound, 5 petals; and shrubs - opposite, simple, 0 petals)
  - d. 5 yellow petals, 5 sepals – **Anacardiaceae (Cashew)** – some *Rhus aromatica*
- B. Leaves compound
  - i. Flowers with 0 petals, 5 sepals; yellow – **Fabaceae (Pea)** – *Parryella filifolia*
  - ii. Flowers with 5 yellow petals, 5 sepals – **Anacardiaceae (Cashew)** – *Rhus glabra*, some *Rhus aromatica*, and *Toxicodendron rydbergii* - rarely simple
  - iii. Flowers with 5 pink (rarely white) petals, sepals 5 – **Rosaceae (Rose)** – *Rosa woodsii* (others in shrubs -alternate, simple, 0 petals; shrubs – alternate, simple, 5 petals; and shrubs -opposite, simple, 0 petals)
  - iv. Flowers with 6 yellow petals, usually 6 sepals – **Berberidaceae (Barberry)**

## SUBSHRUB

- 1. Leaves whorled
  - A. Leaves simple
    - i. 4 lobed funnellform greenish-yellow petals, 4-8 lobed sepals, minute

- or lacking - **Rubiaceae (Madder)** – *Galium multiflorum* (others in herbs -whorled, simple, 4 petals)
2. Leaves basal
    - A. Leaves simple
      - i. 0 petals, 3 to 6 petaloid whitish sepals, woolly leaves – **Polygonaceae (Buckwheat)**– *Eriogonum ovalifolium* (others in shrubs and herbs-alternate, simple and herbs-basal, simple)
  3. Leaves opposite
    - A. Leaves simple
      - i. Flowers with 5 petals, 5 sepals
        - a. 5 white to cream tubular petals, 5 sepals – some **Polemoniaceae (Phlox)** – *Leptodactylon watsonii* (others in herbs, opposite, simple: *Phlox*; and herbs, alternate, simple: *Gilia*)
  4. Leaves alternate
    - A. Leaves simple
      - i. Yellow flowers appear to be a single flower, but are composed of several flowers – **Asteraceae (Sunflower)** - some *Gutierrezia* (others in shrubs), some *Haplopappus* (others in herbs), some *Perityle* (others in herbs), some *Xlyorhiza* (others in herbs)
      - ii. Flowers with no petals
        - a. leaves bluish, small, 2-5 green, yellow, or brown sepals – **Chenopodiaceae (Goosefoot)** (others in shrubs and herbs)
        - b. 0 petals, 3 to 6 petaloid whitish sepals – **Polygonaceae (Buckwheat)**– *Eriogonum jonesii* (others in shrubs, subshrubs, basal, simple) and herbs-alternate, simple and herbs-basal, simple)
      - iii. Flowers with 3 distinct petals, (the upper 2 pink or pink purple petals usually free, the lower one forming a yellow keel and often fringed, the petals are usually joined to the stamens; 5 distinct sepals, the 2 inner ones larger and often petaloid (the 3 outer sepals are usually green and the other inner ones are petal-like), flowers in racemes, several-flowered; milky stems; thorny – **Polygalaceae (Milkwort)** – *Polygala subspinosa*
      - iv. Flowers with 5 petals, 5 sepals –
        - a. 5 petals, 5 sepals, Flowers small, typically pink, tubular united petals, leaves appear clustered – some **Boraginaceae (Borage)**: *Tiquilia* – (others in herbs)

## CACTUS

1. No leaves; spines, numerous petals, sepals and stamens; showy; red, pink, purple, or yellow – **Cactaceae (Cactus)**

## SPOROPHYTES (Spore-bearing)

1. Stems typically hollow, jointed, ribbed longitudinally; leaves whorled, small, scalelike, microphyllous – **Equisetaceae (Horsetail)**

2. Plants with scaly or hairy, creeping rhizomes; leaves coiled in the bud forming fiddleheads, leaves simple or compound, often hairy or scaly - **Polypodiaceae (Fern)**

#### **PARASITIC HERBS LACKING CHLOROPHYLL**

1. Fleshy purplish, brownish, or yellowish white stems, leaves alternate, reduced and scalelike, 5 lobed united tubular purplish, reddish, or yellowish petals with an upper and lower lip, 5 lobed united sepals – **Orobanchaceae (Broomrape)**

#### **GRASSES AND GRASS-LIKE HERBS (SOME OF THE MONOCOTS)**

1. Leaves alternate, simple, 2-ranked, stems round, often with hollow internodes, swollen nodes; flowers individually small and inconspicuous; no petals, no sepals, typically 3 stamens (rarely 2 or 6); each flower has 2 bracts forming a spikelet – **Poaceae (Grass)**
2. Leaves simple, linear, sometimes reduced to bladeless sheaths, stems can have edges (*Scirpus* has rounded stems); petals and sepals lacking or reduced to bristles; the spike of reduced flowers forms a spikelet;  
grows in wet or moist soil – **Cyperaceae (Sedge)**
3. Stems not jointed; leaves sheathing, alternate or all basal; flowers with 3 petals, 3 sepals, membranous, greenish or brownish; stamens 6 (rarely 3), 1 pistil – **Juncaceae (Rush)**
4. leaves mainly basal, linear, sheathing at the base; flowers terminal spike, 3 greenish petals, 3 greenish or purplish sepals, the sepals and petals not well differentiated; perianth of 3 + 3 tepals; stamens commonly 6, 1 pistil; *Triglochin maritima* - perianth greenish-yellow – **Juncaginaceae (Arrowgrass)**
5. leaves alternate, long, linear, flat, sheathing; flowers densely crowded in terminal spikelike inflorescences; perianth lacking (0 petals, 0 sepals), 2-5 stamens; unisexual, pistillate and staminate spikes look like a hot-dog-on-a-stick; fruits: achene or nutlet; semiaquatic or aquatic - **Typhaceae (Cattail)**

#### **HERBS**

1. Leaves whorled
  - A. Leaves simple
    - i. 4 lobed white to green petals marked with green dots, flowers solitary or in cymes, 4 lobed sepals, leaves in whorls of 4 – some **Gentianaceae (Gentian)** – *Swertia albomarginata*; (*Centaureum* in herbs, opposite, simple, 4 or 5 petals, 4 or 5 sepals)
    - ii. 4 lobed funnellform greenish-white or cream petals, 4-8 lobed sepals, minute or lacking - **Rubiaceae (Madder)** – *Galium triflorum* (others in subshrubs -whorled, simple, 4 petals)
    - iii. 5 to numerous (1/8" wide) pale greenish/white tubular partly united petals borne in clusters, 5 parted sepals, 5 stamens, reddish stems

- **Apocynaceae (Dogbane)** - *Apocynum cannabinum*

2. Leaves basal

A. Leaves simple, parallel veined, monocot

- i. Flowers with 3 to numerous petals, 3 sepals
  - a. 3 large white petals, 3 white or green sepals; petals in multiples on stalk with flowers oriented in a downward direction –

**Agavaceae (Agave)**

- b. Flowers with 3 to 8 small to medium white, pink, or purple petals oriented in an upward or outward direction, 3 sepals (commonly petaloid), small to medium white or pink flowers – **Liliaceae**

**(Lily)**

B. Leaves simple, primarily basal in a rosette

- i. Flowers appear to be a single flower, but are composed of several flowers; flowers can be yellow, white, purple, pink or greenish – some

**Asteraceae (Sunflower)**

- ii. Flowers with 0 petals, 3 to 6 petaloid whitish sepals - **Polygonaceae (Buckwheat)**– *Eriogonum gordonii*, *Eriogonum inflatum*, *Eriogonum wetherillii* (others in shrubs, subshrubs, and herbs-alternate, simple)

- iii. Flowers with 2 to 5 petals, 4 or 5 sepals

- a. Flowers with 2 to 5 yellow petals, 5 green sepals, leaves basal and alternate – **Ranunculaceae – Buttercup** – *Ranunculus testiculatus*

- b. Flowers with 4 united tiny white petals, 4 united tubular sepals - **Plantaginaceae (Plantain)**

- c. Flowers with 5 united yellow lobed petals (upper pair shorter than the lower 3) , 4 or 5 sepals, at least partially united, leaves basal and alternate – **Scrophulariaceae (Figwort)** – *Verbascum thapsus* – (others in herbs (alternate, simple and opposite, simple)

- d. Flowers with 5 lobed lavender to pink tubular petals with the corolla tube rimmed in yellow; 5 tubular lobed sepals-

**Primulaceae (Primrose)**

- e. Flowers with 4 white small to medium petals (not papery), 4 sepals, leaves basal and alternate – **Brassicaceae (Mustard)** – *Draba cuneifolia*

- iv. Flowers with 5 or more yellow petals, 5 sepals, leaves basal and alternate – **Ranunculaceae – Buttercup** - *Ranunculus cymbalaria*

C. Leaves compound

- i. Flowers with 4 petals, 2 sepals

- a. Yellow flowers with 4 petals, the 2 outer ones spreading at the apex, the 2 inner ones united– **Fumariaceae (Bleedingheart)**

- ii. Flowers with 5 petals, 0-5 sepals, leaves basal

- a. Pinkish, purple, leaves basal and opposite – **Geraniaceae (Geranium)** (also listed in herbs- leaves opposite, compound)

- b. flowers with 5 petals; 5 sepals or lacking; petals can be yellow, white, or purple; petals and sepals are distinct; individual flowers are small and grouped in compound umbels; leaves basal (can have a few leaves alternate) and compound – **Apiaceae (Carrot)**
    - c. White or cream (less commonly pink or blue tinged) petals with spurs colored like the sepals, leaves basal and alternate – **Ranunculaceae – Buttercup** - *Aquilegia micrantha*
- 3. Leaves opposite
  - A. Leaves simple
    - i. Yellow flowers appear to be a single flower, but are composed of several flowers – **Asteraceae (Sunflower)** – *Flaveria, Thelesperma*
    - ii. Flowers with no petals
      - a. Flowers with 4-5 white, pink, or purple united tubular petaloid sepals – **Nyctaginaceae (Four O’Clock)**
      - b. female (pistillate) flowers and male (staminate) flowers, 0 petals; 0 sepals; green, brown, white, or yellow - **Euphorbiaceae (Spurge)** – *Euphorbia fendleri* (other Euphorbiaceae in herbs, alternate, simple, no petals)
    - iii. Flowers with 4 or 5 united petals, 4 or 5 sepals
      - a. 4 or 5 united lobed white to pink or rose petals in cymes, flowers tubular expanding at end, 4 or 5 lobed sepals – some **Gentianaceae (Gentian)** – *Centaurium*; (*Swertia albomargina* in herbs, whorled, simple, 4 petals, 4 sepals)
    - iv. Flowers with 5 united petals, 5 sepals
      - a. Flowers yellow, white, green, or pink; petals and sepals are folded down; 5 erect, colored corona hoods on top – **Asclepiadaceae (Milkweed)**
      - b. Flowers blue, purple, or white – **Lamiaceae (Mint)**–*Hedeoma drummondii, Marrubium vulgare*
      - c. Flowers with 5 united tubular white (or less often bluish or pink) petals; 5 lobed sepals, flowers in cymes - some **Polemoniaceae (Phlox)** – *Phlox austromontana*; (other members of this family in herbs, alternate, simple: *Gilia*; and subshrub, opposite, simple: *Leptodactylon watsonii*)
      - d. Flowers red, yellow, or blue, united petals, 5 sepals, at least partially united – **Scrophulariaceae (Figwort)** – *Mimulus, Penstemon* (others in herbs (basal, simple and alternate, simple)
      - e. Flowers pale blue to purple, borne in long dense spikes; 5 lobed united tubular petals, regular or slightly 2-lipped; 5 toothed sepals, usually tubular - **Verbenaceae (Vervain)** - *Verbena bracteata*
    - v. Flowers with 5 to numerous petals, 5 sepals
      - a. 5 to numerous small (1/8” wide) pale greenish/white tubular partly united petals borne in clusters, 5 parted sepals, 5 stamens, reddish stems – **Apocynaceae (Dogbane)** - *Apocynum cannabinum*
      - b. 5 white or pink petals, 5 sepals, 4-10 stamens – **Caryophyllaceae (Pink)**

- B. Leaves compound
- i. Yellow flowers appear to be a single flower, but are composed of several flowers – **Asteraceae (Sunflower)** – *Bidens frondosa*
  - ii. Flowers with no petals, 4-5 white petaloid sepals – **Ranunculaceae (Buttercup)** – *Clematis ligusticifolia*
  - iii. Flowers with 5 petals, 5 sepals
    - a. Flowers pink – **Geraniaceae (Geranium)** (also listed in herbs – leaves basal, compound)
    - b. Flowers with 5 yellow petals; 5 sepals; plant lying flat on the ground, seeds with spines - **Zygophyllaceae (Caltrop)** - *Tribulus terrestris*
4. Leaves alternate
- A. Leaves simple
- i. Flowers appear to be a single flower, but are composed of several flowers; flowers can be yellow, white, purple, pink or greenish – some **Asteraceae (Sunflower)**
  - ii. Flowers with no petals
    - a. 5 whitish green sepals which come to a point, lance-shaped leaves – **Santalaceae (Sandalwood)**
    - b. 3 to 6 petaloid white, yellow, green, pink or red sepals, small. Some stems have swollen nodes, alternate/basal -**Polygonaceae (Buckwheat)** – *Eriogonum alatum* (yellowish, green), *Polygonum lapathifolium* (green, white, or pink), *Rumex hymenosepalus* (pink), and *Rumex venosus* (red) (others in shrubs, subshrubs, and herbs-basal, simple)
    - c. leaves bluish, small, 2-5 green, yellow or brown sepals – **Chenopodiaceae (Goosefoot)**
    - d. flowers in axillary clusters; 5 sepals; 3 conspicuous green or red to purple bracts -**Amaranthaceae (Amaranth)** – *Amaranthus blitoides*
    - e. female (pistillate) flowers and male (staminate) flowers, 0 petals; 0-8 sepals; green, brown, white, or yellow - **Euphorbiaceae (Spurge)** – most Euphorbiaceae – (*Euphorbia fendleri* has opposite leaves)
  - iii. Flowers with 3 petals, 3 sepals
    - a. 3 brownish, purple, green or yellowish green petals (free or united, one petal differing from the other two in form, size, and coloration, often forming a lip or spur), 180 degree twist in the flower causing the upper petal to look like the lower one; 3 sepals; sepals either green and sepaloid or colored and petaloid; Leaves often sheathing, parallel veined; monocot – **Orchidaceae (Orchid)**
  - iv. Flowers with 4 petals, 4 sepals
    - a. White, yellow, or pink small to medium petals (not papery) – **Brassicaceae (Mustard)**
    - b. Flowers with 4 white, yellow, or pink large papery clawed petals, 4



- sepals, lower leaves can be opposite or basal – **Onagraceae (Evening-Primrose)**
- v. Flowers with 4 or 5 united tubular red, green, or pink or purple petals; 4 or 5 sepals, at least partially united – **Scrophulariaceae (Figwort)** - *Castilleja*, *Cordylanthus wrightii*, (others in herbs (basal, simple and opposite, simple)
  - vi. Flowers with 4-6 yellow petals (generally 5) open only in sunshine, soon close; 2 united sepals - **Portulacaceae (Purslane)** - *Portulaca oleracea*
  - vii. Flowers with 5 united petals, 5 sepals
    - a. Flowers small yellow, pink, white, red, or purple. (Sometimes lower leaves opposite in *Cryptantha*) – most **Boraginaceae (Borage)**: *Cryptantha*, *Cynoglossum*, *Heliotropium*, *Lappula*, *Lithospermum* – (*Tiquilia* in subshrubs)
    - b. Flowers purple, blue, or white, not papery; flowers grouped in S-shaped cymes, rarely solitary; the lower leaves sometimes opposite in *Phacelia* – **Hydrophyllaceae (Waterleaf)**
    - c. Flowers with 5 united tubular white to violet or yellowish funnelform petals (some are ill-scented and open in the evening); 5 lobed tubular sepals; large leaves– **Solanaceae (Potato)**
    - d. Flowers with 5 united funnelform white, blue, lavender, purple or rose petals, 5 separate sepals - **Convolvulaceae (Morning Glory)**
    - f. Flowers with 5 united petals, 5 lobed sepals, flowers are funnelform, scarlet, lavender, blue, white, yellow, or pink - some **Polemoniaceae (Phlox)** - *Gilia* (others in herbs, opposite, simple: *Phlox*; and subshrub, opposite, simple: *Leptodactylon watsonii*)
    - g. Flowers with 5 united tubular yellow petals; 4 or 5 sepals, at least partially united – **Scrophulariaceae (Figwort)** – *Linaria dalmatica* (leaves alternate, simple); *Verbascum thapsus* (leaves basal and alternate) (others in herbs -basal, simple and opposite, simple)
  - viii. Flowers with 5 distinct petals, 3 to 5 sepals
    - a. Flowers yellow or bluish-purple, flowers papery and short-lived, 5 distinct sepals – **Linaceae (Flax)**
    - b. Flowers with 5 orange or red petals, 3 to 5 sepals – **Malvaceae (Mallow)**
    - c. 5 bluish-white tube-shaped partly united petals borne in terminal clusters, 5 parted sepals, 5 stamens - **Apocynaceae (Dogbane)** – *Amsonia tomentosa*
    - d. 5 distinct yellow petals, 4-5 sepals, petaloid stamens - **Loasaceae (Stickleaf)** – *Mentzelia albicaulis* (other species at Arches NP have 10 petals)
    - e. Flowers with 5 unequal petals, yellow, purple veined and commonly purple dorsally, the lowermost enlarged and spurred; 5 separate sepals, distinct or nearly so - **Violaceae (Violet)** - *Viola purpurea* var. *venosa*
  - ix. Yellow flowers with 5-10 distinct petals, 5 sepals, numerous petaloid stamens - **Loasaceae (Stickleaf)** – *Mentzelia albicaulis*: 5 yellow petals;

*Mentzelia multiflora*: 10 yellow petals; the inner 5 somewhat shorter and narrower; *Mentzelia pterosperma*: 10 petals; *Mentzelia pumila*: 10 petals;

B. Leaves compound

- i. Flowers with 4 petals, 2 to 5 sepals
  - a. Flowers with 2 unlike sets of 2 purple or blue petals, 5 purple petaloid sepals – **Ranunculaceae (Buttercup)** – *Delphinium* (Larkspur)
  - b. Flowers with 4 yellow petals, 2 sepals – **Fumariaceae (Fumitory)**
  - c. Flowers with 4 yellow petals, 4 sepals – **Capparaceae (Caper)**
  - d. Flowers with 4 white, cream or yellow petals, 4 sepals – **Brassicaceae (Mustard)**– some *Descurainia*, and *Nasturtium officinale*
- ii. Flowers with 5 petals, 5 sepals
  - a. 5 blue, purple, pink, white, yellow or inconspicuous petals distinct or lower 2 united, sepals united – **Fabaceae (Pea)** – except *Parryella* and *Robinia*