

Large shrub, 2-6 m tall; leaves alternate; flowers appearing before the leaves; ovary and fruit gray pubescent, style definite. Incl. var. *discolor* & var. *latifolia* Andersson

REFERENCES: Riddell 1836:8 (*Salix discolor* Willd., Worthington, Paddock); Sullivant 1840:23 (*Salix conifera* Wangenh.); Werner 1893:93 (Cols., Werner); Braun 1961:81 (illus. p. 80).

HERBARIUM RECORDS: Spring ♀ 1889—Cols., Craig; 7 Apr ♀ 1892—Neil's [Neil's] Run, toward RR, Cols., Bogue; 26 Apr ♀ & 30 Sep 1892—Cols., Werner; 29 Apr ♀ 1892—Cols., Werner; Sep 1892—Cols., Werner (CLM, OS); 13 Jul 1894—Big Darby Creek, W. Kellerman; 6 Aug 1897—Hamilton Twp., W. Kellerman; 20 Apr ♀ & 25 May 1898—Cols., Griggs; 4 & 20 Apr ♀ & 12 Jun 1899—Jones' Mill, Griggs; 14 Apr ♂ & 7 May 1899—Cols., Griggs; 14 Apr ♂ ♀ & 7 Jun 1899—Cols., Griggs; 22 May 1899—Big Darby Creek, Selby; 23 Apr ♀ & 4 Oct 1900—S. Cols., Griggs; 27 Apr ♀ 1900—S. Cols., swamp, Griggs; 27 Apr ♀ & 6 Oct 1900—S. Cols., swamp, Cols., Griggs; 5 May ♀ 1900—Cols., Griggs; 26 Jul 1931—Red Hills, Ahead Hollow, shale cliff, Chapman; 9 Apr ♂ ♀ 1967—S. bank of Darby Creek, approx. ½ mi. SW of Darbydale, Stuckey 3403 & 3405.

Two closely related cultivated species are recognized:

Salix caprea L.

Goat Willow

Cultivated-Escape

REFERENCE: Braun 1961:84 (illus. p. 82).

NOTE: No specimens seen from Franklin Co.

Salix cinerea L.

Gray Willow

Cultivated

HERBARIUM RECORD: Sep 1899—State Fair Grounds, cult., Cols., Mrs. Kellerman.

NOTE: Not reported for Franklin Co. by Braun 1961:84.

16. *Salix humilis* Marshall

Upland Willow, Small Pussy Willow

Shrub, stems pubescent; leaves alternate, glaucous below, more or less pubescent, often densely so beneath; blade length more than 3 times the width, widest above the middle; fruits gray-hairy. Incl. var. *humilis* & var. *hyporhysa* Fernald

REFERENCES: Selby & Craig 1890:15; Braun 1961:84 (illus. p. 82).

HERBARIUM RECORDS: 1 Jul 1891—Georgesville, Werner (CLM); 3 Oct 1891—near Georgesville, banks of Big Darby, Selby; 2 May ♀ 1892—Big Darby, Selby; 12 Jul 1894—near Big Darby Creek, W. Kellerman; 2 Aug 1897—Cols., W. Kellerman; 22 May ♀ 1899—Big Darby Creek, on dry hillside, Selby; 19 Apr ♀ 1902—OSU farm, Mead.

17. †*Salix occidentalis* Walter

Dwarf Upland Willow

Shrub, low; leaves narrowly oblanceolate, smaller and narrower than in *Salix humilis*; blades densely gray-tomentose beneath. Syn.: *S. humilis* Marshall var. *microphylla* (Andersson) Fernald, *S. humilis* var. *tristis* (Aiton) Griggs, *S. tristis* Aiton

REFERENCES: Jones 1943:104; Braun 1961:85 (illus. p. 82).

HERBARIUM RECORDS: 1 Jul 1891—Georgesville, Werner; 22 May ♀ 1899—Big Darby Creek, Cols., Selby.

18. *†*Salix candida* Flügge

Hoary Willow, Sage-leaf Willow

Cultivated

Shrub; leaves alternate, petioles without glands; blades linear-oblong to oblanceolate, revolute-margined, densely white-woolly beneath, dark dull-green above with sunken veins.

HERBARIUM RECORD: 2 Oct 1930—OSU campus, cult., Hicks.

NOTE: Not mapped for Franklin Co. by Braun 1961:84 (illus. p. 82). Sullivant 1840:23 and Selby & Craig 1890:15 reported on plants collected in adjacent counties.

19. †*Salix petiolaris* Sm.

Meadow Willow

REFERENCE: Craig 1890:102 (Long-stalked Green Osier, I found several specimens of this last summer in the N portion of the island, 23 Apr 1885).

NOTE: No specimens seen from Franklin Co. Not mapped for Franklin Co. by Braun 1961:83 (illus. p. 80).

20. **Salix purpurea* L.

Purple Osier, Basket Willow

Adventive (native of Europe)

Leaves, at least some, subopposite or opposite, short-petioled, blades linear-oblanceolate or spatulate.

REFERENCE: Braun 1961:85.

HERBARIUM RECORDS: 21 Sep ♂ 1899 & 23 Apr ♂ 1900—Cols., planted, Griggs; 26 May 1900—near Greenlawn Cemetery, gravel pit, not planted, Griggs.

CAPPARACEAE, Caper Family

SALIX



Herbs; leaves alternate, palmately compound, petioled; flowers hypogynous, bisporangiate, zygomorphic, in racemes; receptacle bearing a gland; sepals 4; petals 4, clawed; stamens 6 to many, rarely fewer than 6, filaments elongate; carpels 2, united; locule 1, style 1; placentae 2, parietal; fruit an elongate capsule; seeds many, reniform. (Capparidaceae).

- a Stamens 8 to many; fruit hardly stipitate in the calyx. **2. POLANISIA**
a' Stamens usually 6, rarely fewer; fruit long-stipitate in the calyx. **1. CLEOME**

1. CLEOME L. Spider Flower

Leaflets 3-7, lanceolate or oblong; bracts subtending flowers smaller than the leaves; flowers long-stalked; petals white or pink; filaments very long.

1. **Cleome hassleriana* Chodat

Spider-flower

Naturalized (native of tropical America)

Plants viscid-pubescent; leaves palmately compound, leaflets 5-7; bracts subtending flowers smaller than the leaves; spines usually at base of petioles, along petioles, and midrib beneath leaf blade; petals white to pink; stamens 6, filaments very long; fruit long stipitate from calyx attachment. Syn.: *C. spinosa* L., misapplied

HERBARIUM RECORDS: Jul 1891—OSU grounds, cult., *Werner* (CLM); 13 Jul 1893—escape on University grounds [OSU], *Cols., Selby*; 16 Aug 1898—OSU Bot. Garden, cult., *J. H. Schaffner*; 25 Jul 1923—*Cols., J. H. Schaffner*; 18 Sep 1989—Highbanks Metro Park (Delaware Co.), ¼ mi. N of Franklin/Delaware Co. line, at large bend in Olentangy R. near large sycamores, *Watts 505*.

2. POLANISIA Raf. Clammy-weed

Viscid-pubescent; leaflets 3, oblong, entire; petals emarginate at tip, white or nearly so; stamens several, filaments purple; at least the lower flowers of raceme subtended by leaflike bracts.

1. *Polanisia dodecandra* (L.) DC.

Clammy-weed

Plants viscid-pubescent; leaflets 3, oblong, entire; petals emarginate at tips, nearly white; stamens 8 or more; fruit hardly stipitate from the calyx attachment. Syn.: *P. graveolens* Raf.

REFERENCES: Riddell 1834:117 (denuded river banks); Selby & Craig 1890:8; Kellerman & Werner 1893:228 (near Chemical Laboratory, 5 Aug 1890, Aug 1892, E side of Neil Ave., near the brook, Sep 1891, the last locality is now obliterated).

HERBARIUM RECORDS: 1840—*Cols., Sullivan*; 26 Sep 1936—*Cols., waste ground, many plants, J. H. Schaffner*.

BRASSICACEAE, Mustard Family

Herbs; leaves alternate or rarely opposite or whorled, simple or compound, without stipules; flowers hypogynous, bisporangiate, in racemes or corymbs; perianth regular or rarely zygomorphic; sepals 4, separate; petals 4, separate, rarely none; stamens 6, 2 shorter than the others, or rarely stamens 4 or 2; carpels united, style 1, stigma usually 2-lobed; ovary 2-loculed; placentae parietal; fruit linear and much longer than wide (a silique) or short (a silicle); seeds 1 or 2 to many, when several, attached in 2 rows in each locule but lying in either 1 or 2 rows. (Cruciferae, nom. altern.)

Approximate size of flowers is indicated in keys and descriptions as follows: small, petals 4 mm long or less; medium, petals 5-8 mm long; large, petals 9 mm long or more. The term beak, as used here, refers to the terminal projection beyond tip of valves of fruit.

Alyssum alyssoides (L.) L. (*Alyssum*) is frequently planted in gardens and sometimes escapes. An attractive annual with stellate pubescence; stems usually branched at base; leaves oblanceolate or linear, obtuse, entire; flowers very small; sepals persistent; petals yellow or whitish; fruit circular, flattened parallel to septum; 2 seeds in each locule.

KEY TO PLANTS WITH BOTH FLOWERS AND FRUITS

- a Fruit (exclusive of beak) less than 3 times as long as wide.

CLEOME
POLANISIA
ALYSSUM
BRASSICA

