

Herbs; involucre bracts lacking; calyx 5-lobed, persistent in fruit; carpels 5-15, 1-ovuled, dehiscent.

1. **Sida spinosa* L.

Prickly Sida, Spiny Sida

Naturalized (pantropical)

Calyx without subtending bracts; leaves lanceolate, unlobed, serrate; petioles with a tiny spine-like process at base; flowers in small axillary clusters; petals yellow, about 5 mm long; carpels 5, each 2-beaked.

REFERENCES: Riddell 1834:117; Sullivant 1840:13 (naturalized); Craig 1890:53, 71 (#74; meadow E of the woods, where it is now becoming abundant; it has been recently introduced and is spreading rapidly from seed; six years ago there was none on the farm; 24 Jul 1887, University Farm Sep & Oct 1887); Selby & Craig 1890:8 (introduced); Cooperrider 1995:109 (illus. p. 106).

HERBARIUM RECORDS: 1837—Cols., Paddock Collection, *I. G. Jones* (ILL); Jul 1888—Cols., *Craig*; 1890—Central College, *Selby*; 15 Aug 1890—Cols., *Werner* (CLM); 22 Aug 1890—Cols. *Werner* (CLM); 16 Aug 1982—Blendon Woods, *Owens*; 2 Jul 1987—OSU campus, weedy areas around newly constructed parking garage on 12th Ave., W of Neil Ave., *T. Lammers* 6172; 12 Oct 1991—just N of Balsam Ave. & Juniper St., NW extreme of Grove City, Jackson Twp., *Lowden* 4875.

SARRACENIACEAE, Pitcher-plant Family

1. SARRACENIA L. Pitcher-plant

Bog herb; leaves basal, pitcher-shaped, spreading or somewhat ascending; flowers solitary on leafless scapes, 5-7 cm wide, purple-red, hypogynous, regular, bisporangiate; sepals and petals 5; stamens many; carpels 5, united; style 1, apex with a 5-rayed expansion, a stigma under each ray; ovary 5-loculed; fruit a many-seeded capsule; placentae central.

1. †*Sarracenia purpurea* L.

Pitcher-plant

Leaves curved-ascending from the base, broadly winged; petals dark purple-red.

HERBARIUM RECORD: 1840—Cols., *Sullivant*.

DROSERACEAE, Sundew Family

1. DROSERA L. Sundew

Small bog herbs; leaves basal or, in submersed plants, cauline, bearing reddish glandular hairs from which a viscid secretion exudes; flowers hypogynous, bisporangiate, 4-7 mm wide; perianth regular, sepals, petals, and stamens 4-8, petals separate; carpels united; styles separate, 3-5, each forked; ovary 1-loculed with 3-5 parietal placentae.

1. †*Drosera rotundifolia* L.

Sundew

Leaf-blades expanded, suborbicular, wider than long; petiole distinct, hairy.

HERBARIUM RECORD: 1840—Cols., *Sullivant*.

NOTE: Sullivant 1840:11 and Selby & Craig 1890:10 reported on plants collected in adjacent counties.

CISTACEAE, Rock-rose Family

Herbs and shrubs; leaves simple, alternate or opposite, entire; flowers hypogynous, bisporangiate; sepals 5, the two of the outer series smaller; corolla regular or none; stamens few to many; carpels 3, united; style often short or lacking; stigmas 1 or 3; ovary 1-loculed with 3 parietal placentae, sometimes 3-loculed as result of growth inward of placentae; fruit a capsule.

1. HELIANTHEMUM Mill. Frostweed

Stellate-pubescent, herbaceous or somewhat shrubby; earlier flowers with 5 yellow petals and with many stamens; later flowers cleistogamous, with smaller petals or none, and with fewer stamens; style short.

1. †*Helianthemum canadense* (L.) Michx.

Canada Frostweed

SARRACENIA
 DROSER
 HELIANTHEMUM
 HYBANTHUS
 VIOLA



Leaves elliptic; upper surface with many stellate hairs and several longer simple hairs; petaliferous flowers 2-4 cm wide, solitary or in clusters of 2; outer sepals not more than 2/3 as long as inner; later axillary branches overtopping capsules; seeds papillose. Syn.: *H. majus* Britton, Sterns & Poggenb.

HERBARIUM RECORD: 1840—Cols., *Sullivant*.

NOTE: Not mapped for Franklin Co. by Cooperrider 1995:127 (illus. p. 129).

VIOACEAE, Violet Family

Herbs; leaves alternate, stipuled, sometimes all basal; flowers hypogynous, bisporangiate; sepals 5, persistent in fruit; corolla zygomorphic; petals 5, lower one spurred or saccate at base; stamens 5, anthers connivent or united, each with a distal projection; carpels 3, united; style and stigma 1; ovary 1-loculed; placentae 3, parietal; fruit a capsule; seeds many.

a Anthers united; peduncles not or scarcely longer than flowers; sepals not auricled. 1. **HYBANTHUS**

a' Anthers not united, sometimes connivent; peduncles much longer than flowers; sepals auricled. 2. **VIOLA**

1. HYBANTHUS Jacq. Green Violet

Stem erect; blades elliptic, acuminate at both ends, petioled, entire or somewhat toothed; flowers greenish, solitary or 2 or 3 together in leaf-axils; peduncles recurved; sepals nearly equal; petals about as long as sepals, about 5 mm long, lowest wider than the others and saccate at base; anthers almost sessile, united in a sheath, a 2-lobed gland at base; style hooked at tip.

1. *Hybanthus concolor* (T.F.Forst.) Spreng.

Green Violet

Plants with erect leafy stems; leaves elliptic, acuminate at both ends; flowers very small, 3-5 mm long, corolla greenish-white; sepals not auricled. Syn.: *Solea concolor* Ging.

REFERENCES: Riddell 1834:120 (*Ionidium concolor*, dense and shady woods); Sullivant 1840:11; Selby & Craig 1890:8; Miller 1976:8 (illus. p. 11); Cooperrider 1995:133 (illus. p. 142).

HERBARIUM RECORDS: 1840—Cols., *Sullivant*; Jun 1888—Cols., *Craig*; May 1889—Insane Asylum, Cols., *Selby* (WOOS, incl. a fruit with seeds); May 1890—Insane Asylum grounds, Cols., *Selby* (OS, incl. a fruit, 14 Oct 1893, Scioto R.; WOOS); 18 May 1892—Cols., *Werner* (incl. a fruit); 17 Jun 1892—Insane Asylum, near Cols., *E. M. Wilcox* (BGSU, OS); 14 Oct 1893 (Fruits)—Scioto R., *Selby*; 16 May 1895—Oleantangy R., *Osburn*; 7 Sep 1898 (Fruits)—Cols., *W. Kellerman*; Spring 1911—Clintonville, *J. H. Schaffner*.

2. VIOLA L. Violet

With aerial leafy stems or with peduncles and petioles arising from rhizomes or stolons; flowers usually solitary, largest about 3 cm wide; petals not quite equal, the lowest one spurred; two lower stamens with spurs that project into spur of petal, these two stamens the only ones present in cleistogamous flowers, which are characteristic of most species, are apetalous, and appear after the vernal petaliferous flowers.

Hybridization often occurs between plants of related species. Miss Lucy's Hybrid Violet (*Viola* × *brauniae* Grover & Cooperr.) is treated under *V. striata* Aiton. The common Garden Pansy, *Viola* × *wittrockiana* Gams is caulescent, corolla large (1.5-5 cm wide) presenting a variety of color combinations (1 May 1910—Cols., *Hedrick*; 24 Sep 1911—Franklin Co., *Hanawalt*; Jul-Aug 1933—OSU, Cols., *Hicks*).

a Plants without aerial leafy stems, petioles and peduncles arising from rhizomes or stolons.

b Petals blue or violet; rhizomes thick and fleshy, except in *V. odorata*.

c Tip of style pointed, bent downward in a hook; leaves and capsules finely pubescent; blades cordate-ovate; flowers fragrant; with stolons. 6. *V. odorata*

c' Styles widened upward, usually with a conical beak on one side.

d None of the leaf-blades divided, all ovate to reniform, cordate at base, margins crenate-serrate; lateral petals bearded.

e Blades glabrous or nearly so.