

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).

VIOLACEAE, 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—Olentangy 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.

- f Hairs of lateral petals knobbed at tip; peduncles usually much exceeding leaves; spurred petal glabrous, often shorter than lateral petals; cleistogamous flowers on erect peduncles. **2. *V. cucullata***
- f' Hairs of lateral petals slender or slightly clavate; peduncles shorter than to little longer than leaves; spurred petal not shorter than lateral petals.
 - g Spurred petal villous; cleistogamous flowers on ascending peduncles (*V. affinis*). **3. *V. sororia***
 - g' Spurred petal glabrous or nearly so; petals deep purple or blue; cleistogamous flowers on short spreading peduncles. **3. *V. sororia***
- e' Blades pubescent on both sides (except in *V. hirsutula*).
 - h Petioles and peduncles glabrous; blades pubescent above, glabrous or nearly so beneath; veins usually purple (*V. hirsutula*). **4. *V. villosa***
 - h' Petioles pubescent; blades pubescent about equally on both sides.
 - i Blades short-petioled, circular or almost so, rounded at apex; peduncles up to twice as long as petioles; rare. **4. *V. villosa***
 - i' Petioles equaling or longer than peduncles; blades acute or obtuse at apex, not rounded; abundant.
 - j None of the blades lobed. **3. *V. sororia***
 - j' Blades of middle season lobed, earliest and latest ones unlobed (*V. triloba*). **5. *V. palmata***
- d' Leaf-blades lobed or divided, sometimes only at base, or longer than wide.
 - k Blades longer than wide, more or less lobed near base, or unlobed.
 - l Blades and petioles densely pubescent; petioles often half as long as blades; sepals and auricles ciliate (*V. fimbriatula*). **1. *V. sagittata***
 - l' Blades and petioles minutely pubescent; petioles equaling or longer than blades; sepals and auricles glabrous. **1. *V. sagittata***
 - k' Blades about as long as wide, the whole blade lobed or divided.
 - m Blades cordate at base, earliest and latest ones not lobed, those of middle of season 3-5-lobed, middle lobe wide; plants pubescent (*V. triloba*). **5. *V. palmata***
 - m' Blades divided nearly to base into 5-9 (or more) narrow lobes. **5. *V. palmata***
- b' Petals white; rhizomes slender; stolons often present.
 - n Petals all glabrous; blades cordate, basal lobes sometimes overlapping, upper surface of basal lobes with small scattered hairs; petioles and peduncles reddish; cleistogamous flowers on prostrate peduncles. **7. *V. blanda***
 - n' Lateral petals more or less bearded.
 - o Blades glabrous on both surfaces; lateral petals sparsely bearded; cleistogamous flowers on erect peduncles. **8. *V. macloskeyi***
 - o' Blades more or less pubescent; lateral petals densely bearded; cleistogamous flowers on prostrate peduncles (*V. incognita*). **7. *V. blanda***
- a' Plants with aerial leafy stems; peduncles axillary.
 - p Stipules entire or toothed, sometimes bristle-toothed, not lobed.
 - q Petals yellow; plant somewhat pubescent to glabrous; basal leaves 1-5 or more; cauline leaves usually on only upper part of stem; stems often spreading, usually several. **9. *V. pubescens* var. *scabriuscula***
 - q' Petals blue, violet, or white; stem leafy throughout; leaf-blades cordate at base.
 - r Petals white or cream, sometimes tinged with blue on back.
 - s Stipules entire; petals sometimes tinged with blue on back; spurred petal yellow at base and dark-lined; stigma capitate. **10. *V. canadensis***
 - s' Stipules bristle-toothed; petals white or cream with prominent dark veins at base; stigma slender. **11. *V. striata***
 - r' Petals blue or violet; stipules bristle-toothed; stigma slender.
 - t Spur 0.8 cm long or more, equaling or longer than petal-blades; petals violet with darker veins, the lateral ones glabrous; style not bent at tip. **14. *V. rostrata***
 - t' Spur shorter, about half as long as petal-blades or less; lateral petals bearded; style bent at tip.
 - u Plants glabrous, not stoloniferous; stem erect. **12. *V. conspersa***

- u' Plants finely pubescent; trailing stolons present, rooting at tips; stems becoming prostrate; leaves often purple beneath. 13. *V. walteri*
 - p' Stipules large and leaflike, deeply lobed; summit of style globose, hollow, with orifice on side; leaf-blades, except the lowest, not cordate at base.
 - v Petals yellow, sometimes with bluish tips, about as long as or shorter than sepals. 17. *V. arvensis*
 - v' Petals longer than sepals.
 - w Petals pale blue to white; middle lobe of stipules entire or nearly so.
15. *V. rafinesquii*
- w' Petals variously colored, yellow, purple, or white, the two upper darker; middle lobe of stipules crenate. 16. *V. tricolor*

1. †*Viola sagittata* Aiton

Arrow-leaved Violet

Plants acaulescent; leaves much longer than wide, toothed to hastate at base; corolla purple-violet, center white.

Syn.: *V. emarginata* Leconte; *V. fimbriatula* Sm.

REFERENCES: Selby & Craig 1890:8; Russell 1965:54; Miller 1976:77 (illus. pp. 17, 75, 81); Cooperrider 1995:146 (illus. p. 145).

HERBARIUM RECORDS: 1840—Cols., *Sullivan*; May 1890—Central College, *Selby*; Jun 1891—Central College, *Selby*; 15 May 1895—Central College, *Fullmer*; 23 May 1927—Westerville, dry fields & hillsides, *H. Hedges*; 21 May 1933—Red Hills, *Dambach*; 21 Apr 1946—dry, open hilltop at Red Hills along Big Walnut Creek, about 1-2 mi. NNE from Central College, *Terrell 1517*; 30 Apr 1960—Flint Ravine, open thicket near top of slope, *Cusick*; 5 May 1983—Blendon Woods, woodcock field, *Owens*.

2. *Viola cucullata* Aiton

Blue Marsh Violet, Blue Violet

Plant without aerial leafy stems; leaves glabrous, ovate-reniform, cordate at base; petals blue or violet, spur beardless, lateral petals bearded with short stout hairs (0.1-0.7 mm long); sepal obviously auricled; peduncles usually much exceeding leaves. Syn.: *V. palmata* L. var. *cucullata* Gr.

REFERENCES: Riddell 1834:119; Sullivan 1840:11; Craig 1890:56, 68 (#54; abundant along the S fence, and common along the river on the island and in the woods; the color and size vary in different localities; several pure white specimens were found Apr 25 in the woods near Woodruff Ave.; 12 Apr 1882, 21 Apr 1883, 17 Apr 1884, 24 Apr 1885, 18 Apr 1886, 14 Apr 1887, 18 Apr and at University Farm on 23 Oct & 5 Nov 1888, 13 Apr 1889); Selby & Craig 1890:8; Russell 1965:24; Cooperrider 1995:141 (illus. p. 142).

HERBARIUM RECORDS: 20 Oct 1882—Olentangy R., OSU, *Lazenby*; 24 Apr 1981—E side of Olentangy R., bike path S of Whetstone Park, Cols., *Shelly 201*; 18 May 1982—Scenic Nature Preserve, Highbanks Metro Park (Franklin & Delaware Cos.), floodplain, *G. Moore 336*.

NOTE: See Miller 1976:46 (illus. p. 49).

3. *Viola sororia* Willd.

Common Blue Violet

Plants acaulescent; corolla purple-blue-grey-white, spur beardless or nearly so, lateral petals bearded with long, slender, slightly knobbed hairs (1.0-2.2 mm long); sepal auricles small, less than 1 mm in length. Incl. *Viola papilionacea* Pursh

REFERENCES: Russell 1965:60; Miller 1976:63 (illus. p. 66); Cooperrider 1995:144 (illus. p. 145).

HERBARIUM RECORDS: Spring 1889—Cols., *Craig*; Apr 1890—Cols., *H. Richardson*; May 1890—Cols., *Selby*; 4 May 1892—Cols., *Werner*; 19 May 1895—Franklin Co., *Fullmer*; 4 May 1901—N Cols., *Eckman*; 4 May 1901—OSU woods, *Stiver*; 7 Jun 1901—Cols., *Ball*; 20 May 1923—Westerville, *J. Mayne*; 6 Jun 1923—Westerville, open woods, *M. Baker*; 9 May 1924—Westerville, dooryards, *Wetherill*; 15 Jun 1925—Franklin Co., *R. Crane* (OWU); Apr 1927—near Westerville, *Zimmerman*; 27 & 29 Apr 1927—Westerville, *Van Gundy*; 1 May 1927—Westerville, *Van Gundy*; 23 May 1927—Westerville, *H. Hedges*; 6 Jun 1927—banks of Alum Creek, *Gress*; 19 Apr 1931—Red Hills region E of Big Walnut, S of Walnut St. Rd., *Gordon & Chapman*; 17 May 1931—Shadeville, *Gordon*; 7 May 1932—Red Hills, E of Central College, *Chapman*; 8 May 1932—Cols., *Ireland, Jr.*; 24 Apr 1960—woods along Olentangy R., ¼ mi. N OSU, Cols., *Cusick*; 30 Apr 1960—Flint Ravine, N Worthington, *Cusick*; 14 Apr 1963—woods along Walhalla Dr., E of High St., Cols., *Cusick*; 19 May 1969—Park of Roses, Cols., *Wiley 19*; 25 Apr 1970—corner of Scioto River Rd. & Leeds, *Boone 28* (KE); 23 Apr 1977—Quarry E side of Olentangy River Rd., 3 mi. S of Rt. 161, *Ficek 5*; 22 Apr 1982—Scenic Nature Preserve, Highbanks Metro Park (Franklin & Delaware Cos.), *G. Moore 341*; 25 Apr 1982—OSU Cols., W end of Waterman farm complex, Kenny Rd., *D. Wilson 11*; 6 May 1982—Scenic Nature Preserve, Highbanks Metro Park (Franklin & Delaware Cos.), *G. Moore 337, 342-343 & W. Reed 338*; 7 Apr 1985—OSU, B&Z Bldg., behind greenhouse, *Chansa-Ngavej 6*; 5 Apr 1986—Tuttle Park close to W. Dodridge St., *Cooperband 8*; 12 Apr 1986—OSU campus, 100 yards NE of OSU Research Center off Kinnear Rd., *Hollander 004*; 17 Apr 1986—Highbanks Metro Park (Delaware Co.), looptrail, *Watts 279* (OS, OWU); 27 Apr 1986—Highbanks Metro Park (Delaware Co.), *Witsberger 892* (OS, OWU); 28 Apr 1987—Tuttle Park, E bank of Olentangy R. between Lane Ave. & Dodridge St. bridge, *T. Lammers 6082*; 20 Apr 1988—OSU campus, field N of Lane Ave. & E of Fyffe Court, *Gerberick 13*; 8 May 1989—Overbrook Drive Ravine just E of N. High St., Cols., Clinton Twp., *Lowden 4034 & 4035*; 13 May 1989—W side of Big Darby Creek, ¼ mi. S of Rt. 665, Pleasant Twp., Harrisburg Quad., *McCormac 558*; 10 Apr 1992—633 E. Weisheimer Rd., Cols., *Condit*; 16 Apr 1992—Whetstone Park, W of High St. & E of Adena Run, *Condit*; 19 Apr 1992—woods between Northmoor & Whetstone Parks, *Condit*; 27 Sep 1992—Piedmont Rd. between Indianola Ave. & N. High St., lawns & treelawns, NW Cols. Quad., *Cusick 30603*.

Two variants of this species are recognized:

Viola sororia Willd. forma *priceana* (Pollard) Cooperr.

Confederate Violet

Flowers gray-blue with a conspicuous violet-veined center forming a large eyespot. Syn.: *V. papilionacea* var. *priceana* (Pollard) Alexander.

REFERENCE: Cooperrider 1995:144.

HERBARIUM RECORDS: 19 Apr 1992—Overbrook Drive Ravine, near N. High St., Clintonville, Clinton Twp., Lowden 4913; 20 Apr 1992—along path between Whetstone & Northmoor Parks, Clinton Twp., Lowden 4916.

NOTE: Found in large populations of *Viola sororia*.

Viola affinis Leconte

Thin-leaved Violet

Aerial leafy stems, stolons absent; leaf-blades thin, ovate-subreniform, glabrous, cordate at base, margins crenate-dentate; corolla violet, lateral petals heavily bearded, spurred petal bearded.

REFERENCES: Riddell 1834:120 (wet prairies); Russell 1965:20; Miller 1976:58 (illus. p. 61); Cooperrider 1995:143 (illus. p. 145).

HERBARIUM RECORDS: 21 Apr 1894 (mixed with a collection of *Viola rostrata*)—Gahanna, E. M. Wilcox; 26 Apr 1970—Clintonville, along stream in Whetstone Park, W. Owen 104 & 107.

4. †*Viola villosa* Walter

Southern Wood or Southern Woolly Violet

Plants acaulescent, nonstoloniferous; petioles and leaf veins often purplish; blades ovate to reniform, lower surface frequently purplish and glabrous. Syn.: *V. hirsutula* Brainerd

HERBARIUM RECORD: 1840—Cols., Sullivant.

NOTE: See Miller 1976:67 (illus. p. 70). Not mapped for Franklin Co. by Cooperrider 1995:134, 144 (illus. p. 145).

5. †*Viola palmata* L.

Palmate-leaved Violet

Plants acaulescent, nonstoloniferous; all leaves shallowly to deeply (3-)5-11 lobed; corolla violet. Syn.: *V. pedatifida* G. Don; *V. triloba* Schwein.; *V. triloba* var. *dilitata* (Elliott) Brainerd

REFERENCES: Sullivant 1840:11; Selby & Craig 1890:8; Russell 1965:46; Miller 1976:90 (illus. pp. 93 & 95); Cooperrider 1995:147 (illus. p. 148).

HERBARIUM RECORDS: 1840—Cols., Sullivant; 8 May 1882—Cols., Devo; 17 May 1890—Central College, Selby; 7 May 1932—Red Hills, E of Central College, Gordon & Chapman.

The following leaf variant is recognized:

Viola triloba Schwein. var. *triloba*

Three-lobed Violet

Plants acaulescent, nonstoloniferous; leaves deeply lobed with 3-5 main lobes, sinuses very shallow to deep; corolla violet.

REFERENCES: Russell 1965:64; Miller 1976:82 (illus. pp. 85 & 87); Cooperrider 1995:147 (illus. p. 148).

HERBARIUM RECORDS: May 1890—Glover's Woods, Hilliard, near Cols., Selby (OS, WOOS); 4 Oct 1890—Central College, E. V. Wilcox; 14 May 1892—Blacklick, Werner (CLM); 16 May 1895—Olentangy R., Osburn; 6 May 1899—Franklin Co., Fullmer; 4 May 1903—Cols., Sanders; 23 May 1927—Westerville, dry woodlands, H. Hedges; 30 Apr 1960—Flint Ravine, N of Worthington, Cusick; 11 May 1970—Camp Johnson, 8 mi. N of OSU on N. High St., Boone 136; 6 May 1982—Scenic Nature Preserve, Highbanks Metro Park (Franklin & Delaware Cos.), G. Moore 347; 11 May 1987—Highbanks Metro Park (Delaware Co.), Watts; 11 May 1991—open woods W of Cabbage Rd., Hoover Dam Park, Blendon Twp., Lowden 4616; 14 May 1992—jct. Graessle Rd. & Rt. 665, bluff area, Battelle Darby Metro Park, Pleasant Twp., Lowden 4945.

6. **Viola odorata* L.

Sweet Violet

Adventive (native of Europe)

Plants acaulescent, many stolons forming dense mats; style hooked at tip; petioles and peduncles pubescent; corolla violet or white with a blue spur.

REFERENCES: Russell 1965:108; Miller 1976:131 (illus. p. 134); Cooperrider 1995:151 (illus. p. 150).

HERBARIUM RECORD: 13 Apr 1911—escaped, Cols., J. H. Schaffner.

7. *Viola blanda* Willd.

White Violet, Sweet White Violet

Plants acaulescent; corolla white; blades unlobed, pubescent, base cordate. Syn.: *V. incognita* Brainerd

REFERENCES: Sullivant 1840:11; Craig 1890:69 (very rare, a few specimens have been found along the river, one was found 19 Apr, a little N of the island spring; 26 Apr 1883, 28 Apr 1887); Selby & Craig 1890:8; Miller 1976:107 (illus. p. 110); Cooperrider 1995:149 (illus. p. 148).

HERBARIUM RECORD: 1891—Swamp, Worthington road, Selby.

8. †*Viola macloskeyi* F.E.Lloyd var. *pallens* (Banks) C. L. Hitchc.

Northern White Violet

Acaulescent; blades ovate, base cordate; corolla white, lateral and spurred petal with dark purple veins. Syn.: *V. macloskeyi* F.E.Lloyd subspecies *pallens* (Banks) M.S.Baker, *V. pallens* (Banks ex DC.) Brainerd

REFERENCE: Russell 1965:90.

HERBARIUM RECORD: 1840—Cols., Sullivant.

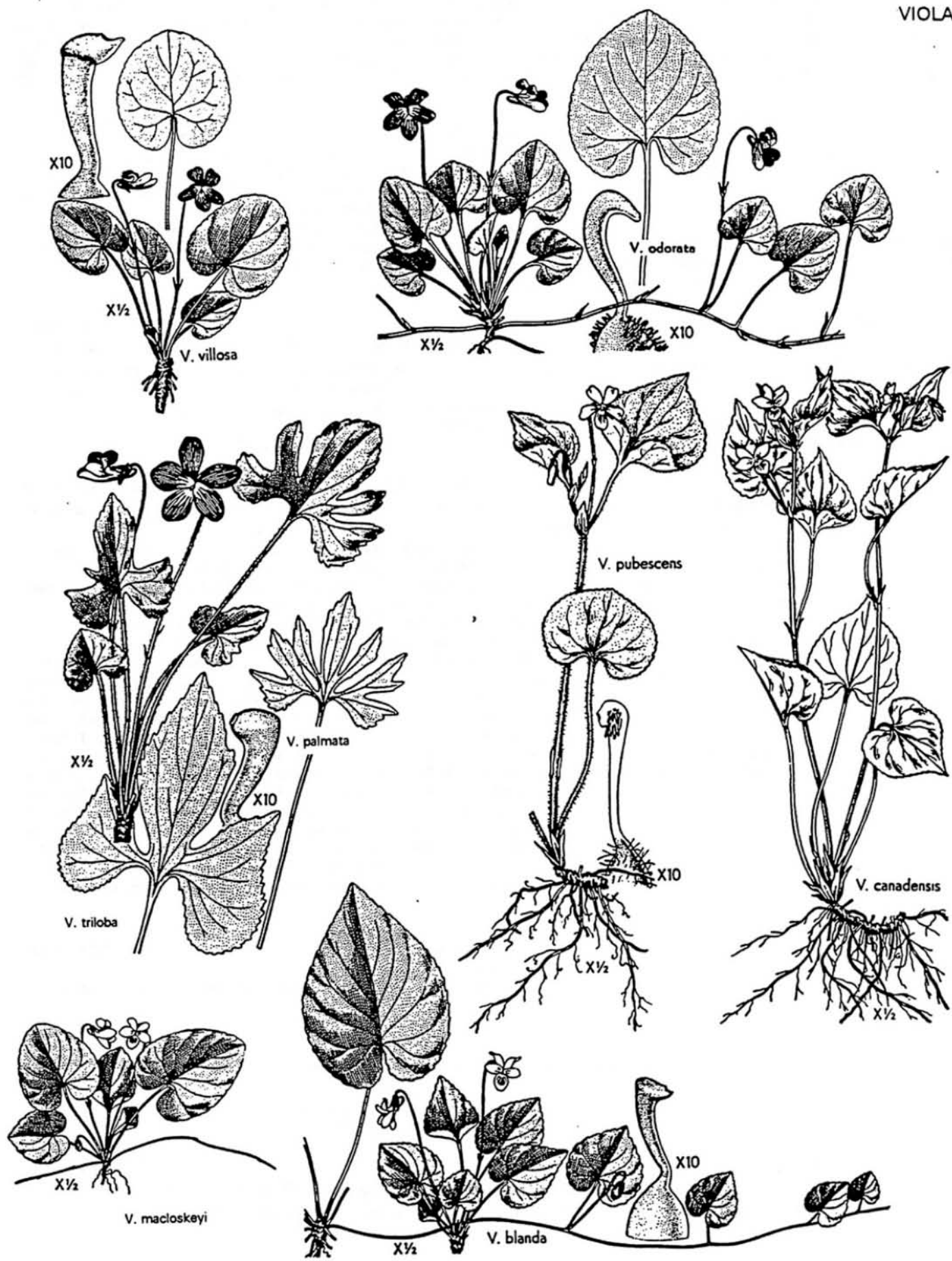
NOTE: Not mapped for Franklin Co. by Cooperrider 1995:149 (illus. p. 148).

9. *Viola pubescens* Aiton var. *scabriuscula* Torr. & A.Gray

Common Yellow Violet, Smooth Yellow Violet

Plants caulescent, nonstoloniferous; flowering stems one to several; blade ovate-triangular-subreniform, base cordate-truncate; stipules lanceolate; corolla yellow, sometimes purplish tinged, lateral and spurred petals with purple-brown veins. Syn.: *V. pensylvanica* of authors, not Michx., *V. pubescens* Aiton var. *eriocarpa* (Schwein.) N.H.Russell

VIOLA



REFERENCES: Riddell 1834:119 (open woods); Sullivant 1840:11; Craig 1890:68 (#56 & 57; abundant in the woods 200 feet from SW corner, and N of race track; those found here are small and smooth, being only a few inches high and acaulescent in some specimens, while those found in other parts of the woods and along the river near the S boundary where it is common, are large and hairy, growing often eight inches high with a large thick stem; this difference in size seems to be due mainly to a different soil and location; 1 May 1882, 10 May 1885, 17 Apr 1887, 26 Apr 1888, 19 Apr 1889); Selby & Craig 1890:8; Kellerman & Werner 1893:225 (collected by Green); Miller 1976:147 (illus. p. 150); Cooperrider 1995:152 (illus. p. 153).

HERBARIUM RECORDS: 1840—Cols., Sullivant; May 1888—Cols., Craig; Spring 1889—Cols., Craig; 19 Apr 1890—Cols., H. Richardson; 21 Apr 1890—Cols., Weed (WOOS); May 1890—Cols., Selby; 8 May 1892—Wyandot Grove, G. Jones; May 1893—Cols., W. Kellerman; 4 May 1901—OSU woods, Stiver; 2 May 1923—Westerville, moist woods, Glaze; 14 May 1924—Westerville, hillside, Snavely; Apr 1927—near Westerville, open woods, Zimmerman; 8 May 1927—Big Walnut, moist woods & thickets, Van Gundy; 23 May 1927—Westerville, low open woods, H. Hedges; 6 Jun 1927—along Alum Creek, dry woods, Gress; 8 Jun 1927—Sleepy Hollow, low open woods, Fletcher; 26 Apr 1970—Clintonville, along stream in Whetstone Park, W. Owen 105; 22 Apr & 6 May 1982—Scenic Nature Preserve, Highbanks Metro Park (Franklin & Delaware Cos.), G. Moore 339 & 340; 17 Apr 1986—Highbanks Metro Park (Delaware Co.), woods, Watts 276 (OS, OWU); 27 Apr 1986—Highbanks Metro Park (Delaware Co.), open woods, Wisberger 890 (OS, OWU); 20 Apr 1992—Whetstone Park, just S of Rose Garden, Condit; 20 Apr 1992—Camp Mary Orton, N of Worthington & W of Rt. 23, woods near Flint Ravine & Olentangy R., Sharon Twp., Lowden 4917; 16 May 1992—Battelle Darby Creek Metro Park, Day Camp Area, along N bank of Little Darby Creek, Pleasant Twp., Lowden 4957.

10. *Viola canadensis* L.

Canada Violet

Stipules entire, whitish and subscarious, lance-acuminate; petals white inside with a yellow base, the 3 lower petals with purplish lines toward the base, the lateral ones bearded, all petals somewhat purplish-tinted on the outside.

REFERENCES: Craig 1890:69 (quite abundant on the island before it was cleared off, but is now rapidly dying out and will soon be a thing of the past; I was unable to find a single specimen this spring though the ground was carefully searched); Selby & Craig 1890:8.

HERBARIUM RECORD: May 1927—near Westerville, wooded uplands, Zimmerman.

NOTE: See Miller 1976:153 (illus. p. 156). Not mapped for Franklin Co. by Cooperrider 1995:154 (illus. p. 156).

11. *Viola striata* Aiton

Pale Violet, Striped White Violet, Common White Violet

Plants caulescent; stipules bristle-toothed, long-lanceolate to ovate; corolla white or cream colored without a yellow center, spur and lateral petals striped with black-purple veins.

REFERENCES: Riddell 1834:120 (bottomland); Sullivant 1840:11; Craig 1890:69 (grows quite abundantly in the W part of the woods near the path and along the fence W from the stile for about 2/3 the distance to the seed barn; it also grows sparingly in the SW corner of the farm in a small thicket of Buckeyes where the soil is rich and moist, 17 Apr 1882, 5 May 1883, 23 Apr 1884, 12 May 1885, 22 May 1887, 1 May 1888, 29 Apr 1889); Selby & Craig 1890:8; Russell 1965:16; Miller 1976:158 (illus. p. 161); Cooperrider 1995:154 (illus. p. 156).

HERBARIUM RECORDS: 1840—Cols., Sullivant; 21 May [no year]—banks of Olentangy R., Cassidy; 14 Jun 1882—Central Insane Asylum grounds, Cols., Devo; May 1890—Cols., Selby (OS, WOOS); 6 May 1890—University woods, Cols., H. Richardson; Nov 1890—Big Darby, Selby; 2 May 1895—N Cols., Osburn; 1 May 1899—Blendon, Helfrich; 22 May 1901—N Cols., Dickey; 4 May 1904—OSU woods, Cols., W. Miller; 26 May 1922—Westerville, Drury; 18 May 1923—N of Westerville, Ewing; 4 Jun 1924—Westerville, hillsides, Berger; Apr 1927—near Westerville, moist shady slopes, Zimmerman; 6 May 1927—Alum Creek, moist woods, St. John; 23 May 1927—Westerville, H. Hedges; 1 Jun 1927—Westerville, along streams, Van Gundy; 6 Jun 1927—near Alum Creek, rich woods, Gress; 23 Apr 1970—corner of Scioto R. Rd. & Leeds, Boone 25; 26 Apr 1970—Whetstone Park, Clintonville, W. Owen 106; 1 May 1982—Blendon Woods, common, Owens; 6 May 1982—Scenic Nature Preserve, Highbanks Metro Park (Franklin & Delaware Cos.), floodplain, G. Moore 344-346; 18 Apr 1986—SW corner of W. Beaumont and Rustic Bridge Dr., Cols., R. Burnes 7; 19 Apr 1986—Highbanks Metro Park (Delaware Co.), field, Morawetz; 28 Apr 1987—W bank of Olentangy R., N of Dodridge St. bridge & E of Union Cemetery, mesic forest on floodplain, Cols., T. Lammers 6083; 15 May 1988—corner of Indianola & E. Patterson Ave., Cols., Kelly 9; 8 May 1989—Overbrook Drive Ravine off N. High St., Clinton Twp., Lowden 4033; 13 May 1989—W side of Big Darby Creek, just S of Rt. 665, Pleasant Twp., Harrisburg Quad., McCormac 569; 24 May 1990—Quarry Place on E bank of Scioto R. just S of Rt. 161 off Rt. 33, Perry Twp., Lowden 4343; 31 May 1990—woody area along Georges Creek, S side of Lehman Rd. just E of Gender Rd., Madison Twp., Lowden 4366; 19 Apr 1992—Whetstone Park, woods along Adena Run, W of High St., Condit; 19 Apr 1992—between Northmoor & Whetstone Parks, woods along Olentangy R., Condit; 16 May 1992—Battelle Darby Creek Metro Park, Day Camp woods, along N bank of Little Darby Creek, Pleasant Twp., Lowden 4955.

The following hybrid is recognized:

Viola × *brauniae* Grover & Cooperr. (*V. striata* Aiton × *V. rostrata* Pursh)

Miss Lucy's Hybrid Violet

REFERENCES: Miller 1976:174 (illus. p. 179); Cooperrider 1986:107-109; Cooperrider 1995:159.

HERBARIUM RECORDS: 21 May 1892—Alum Creek Station, near Cols., E. M. Wilcox; 7 May 1932—Red Hills, moist ravine, Central College, Chapman.

12. *Viola conspersa* Rchb.

American Dog Violet

Plants caulescent, nonstoloniferous; stipules lanceolate, sharply toothed along lower margins; corolla lilac-blue-violet.

REFERENCES: Russell 1965:10; Miller 1976:163 (illus. p. 166); Cooperrider 1995:155 (illus. p. 153).

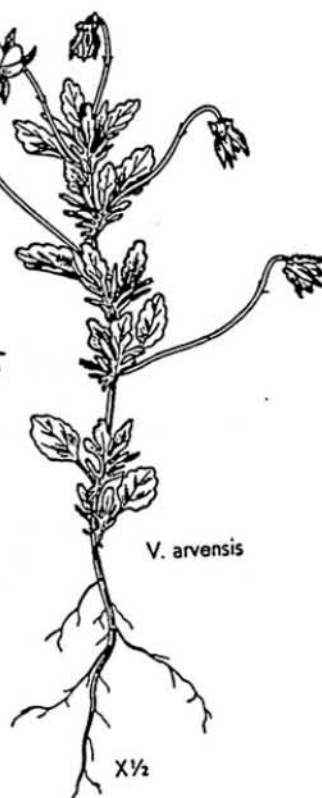
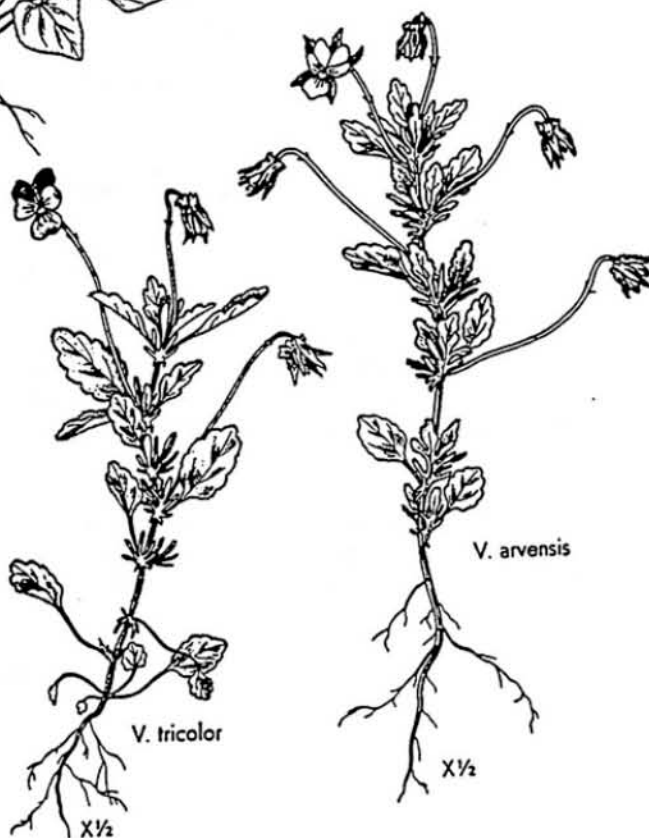
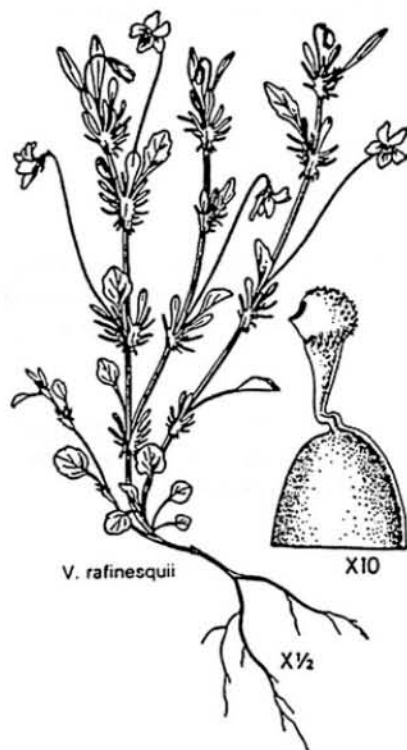
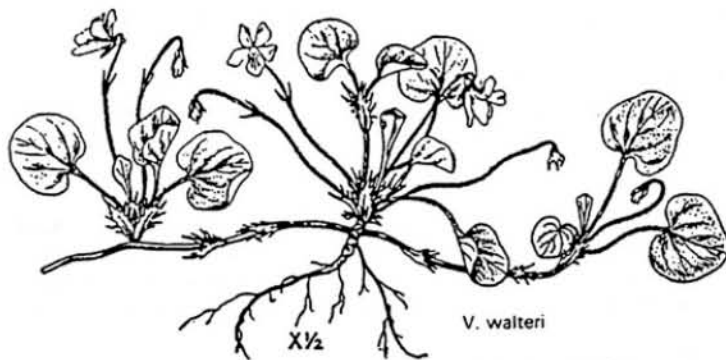
HERBARIUM RECORDS: 1840—Cols., Sullivant; 14 Dec 1947—Clintonville, swamp forest, Beatley.

13. †*Viola walteri* House

Walter's Violet

Plants low, caulescent, stems short and erect, later prostrate forming mats; all leaves orbicular, base cordate; stipules sharply toothed, not lobed; corolla purple, spur about 5 mm long, lateral petals heavily bearded.

VIOLA



REFERENCES: Jones 1943:107; Russell 1965:18; Miller 1976:168 (illus. p. 171); Roberts & Cooperrider 1982:60; McCance 1984:A-274; Cooperrider 1995:155 (illus. p. 153).

HERBARIUM RECORD: 6 May 1916—near Hayden's Falls, *Leonard*.

14. *Viola rostrata* Pursh

Long-spurred Violet

Plants caulescent; stipules bristle-toothed; corolla pale lilac-violet with darker center and veins; spur 0.7 cm long or more, longer than petal-blades.

REFERENCES: Riddell 1834:120 (open woods); Riddell 1835:37 (Worthington, woods & rocky situations); Selby & Craig 1890:8; Russell 1965:14; Miller 1976:173 (illus. p. 177); Cooperrider 1995:157 (illus. p. 156).

HERBARIUM RECORDS: [ca. mid-1800s]—Cols., Coll.? (URB); May 1890—Central College, *Frank* (OS, WOOS); May 1890—Central College, *E. M. Wilcox*; 21 Apr 1894—Gahanna, *E. M. Wilcox*; 6 May 1899—Franklin Co., *Fullmer*; Jun 1927—near Westerville, *Zimmerman*; 17 Apr 1986—Highbanks Metro Park (Delaware Co.), woods, Dripping Rock Trail, *Watts 278* (OS, OWU).

NOTE: See *Viola* × *brauniae* (*V. rostrata* × *V. striata*) treated under *V. striata*.

15. *Viola rafinesquii* Greene

Wild Pansy

Native

Plants with aerial leafy stems; leaves orbicular; stipules large and leaflike, deeply lobed, terminal lobe stalkless, entire, larger than other lobes, it and the lobe nearest appear mitten-shaped; sepals longer to nearly equalling the pale blue to white petals.

REFERENCES: Russell 1965:104; Miller 1976:192 (illus. p. 195); Cooperrider 1995:158 (illus. p. 156).

HERBARIUM RECORDS: Spring 1889—Cols., *Craig*; 10 May 1892—Insane Asylum, near Cols., *E. M. Wilcox*; 11 May 1892—near Cols., *E. M. Wilcox*; May 1902—Franklin Co., *McKinley*; 6 May 1903—Cols., *Sanders*.

16. **Viola tricolor* L.

Johnny-jump-up

Adventive (native of Europe)

Petals longer than sepals, yellow, purple or white, the two upper darker; middle lobe of stipules crenate.

REFERENCES: Riddell 1834:120 (naturalized); Sullivant 1840:11; Selby & Craig 1890:8 (introduced); Cooperrider-1995:157 (illus. p. 156).

HERBARIUM RECORD: 13 Jul 1978—NW of Karl Rd. & Morse Rd., lawn weed, NE Cols. Quad., *Cusick 18557* (KE).

NOTE: See Miller 1976:182 (illus. p. 185).

17. **Viola arvensis* Murray

Field Pansy, European Field Pansy

Adventive (native of Europe)

Aerial stems present; stipules large, leaf-like, deeply pinnatifid upper lobe long-stalked and toothed; petals yellow, tipped or tinged with bluish-purple, sepals equalling or longer than petals. Syn.: *V. tricolor* L. var. *arvensis* DC.

REFERENCES: Craig 1890:69 (only in a small cluster a little NE of the walk leading to the botanical bldg.; just how it came there is not known, but it has probably escaped from cultivation, although it grows wild up Neil's Run near the CCC & St. L track and also W of the city near the Insane Asylum, 1 May 1884, 2 May 1888, 15 Apr 1889); Selby & Craig 1890:8 (introduced); Russell 1965:102; Miller 1976:187 (illus. p. 190); Cooperrider 1995:157 (illus. p. 156).

HERBARIUM RECORDS: 29 Aug 1898—OSU Bot. Gar., Cols.; 1933—Cols., *Hicks*; 17 May 1982—field, Fountain Square, S of Morse Rd., NE Cols. Quad., *Cusick 21550*.

PASSIFLORACEAE, Passion Flower Family

1. PASSIFLORA L. Passion Flower

Herbaceous vines climbing by tendrils opposite the leaves; leaves alternate, blades lobed or parted; flowers axillary, perigynous, bisporangiate, peduncled; sepals 5; corolla regular; petals 5, separate, a showy double or triple fringed corona attached to the hypanthium within the corolla; stamens 5, united around stalk of ovary; styles 3; ovary 1-loculed; placentae 3, parietal; fruit a berry.

1. *Passiflora lutea* L.

Yellow Passion Flower

Leaves shallowly 3-lobed, extending less than half way to base, margins of lobes entire; flowers greenish-yellow.

REFERENCES: Riddell 1834:120 (bottomland); Sullivant 1840:12; Selby & Craig 1890:10; Cooperrider 1995:162 (illus. p. 161).

HERBARIUM RECORD: 27 Jul 1907—Big Darby Creek, 3/4 mi. S of National Rd., *W. Kellerman*.

CUCURBITACEAE, Gourd Family