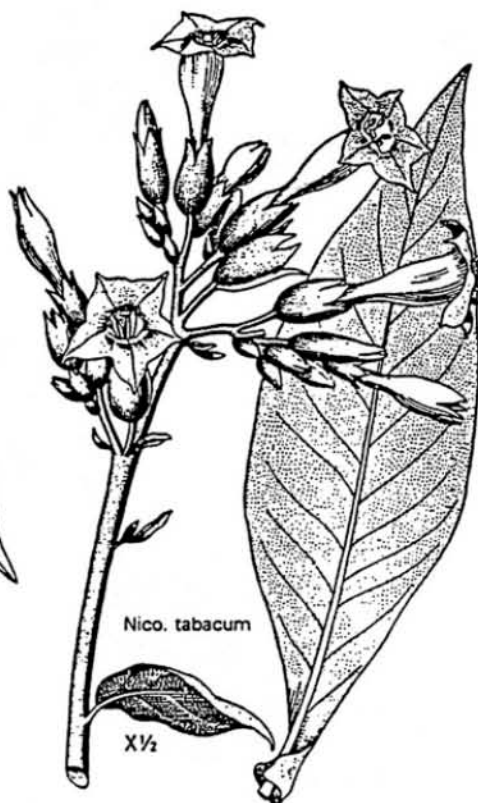
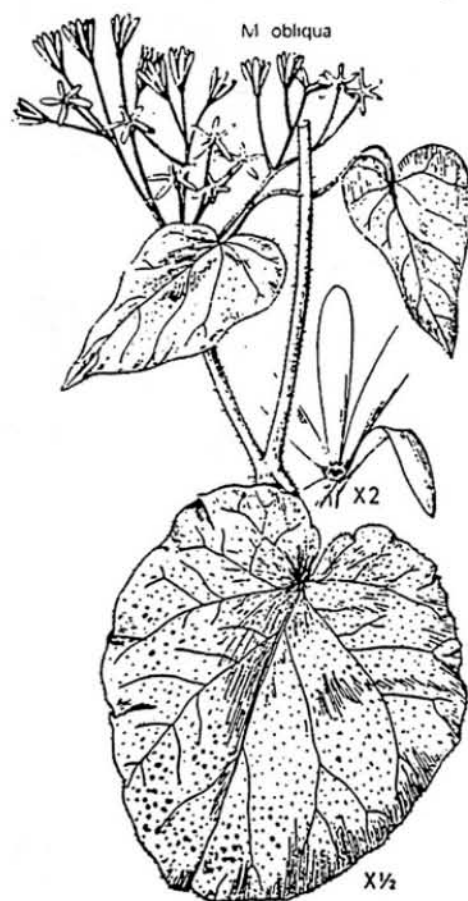
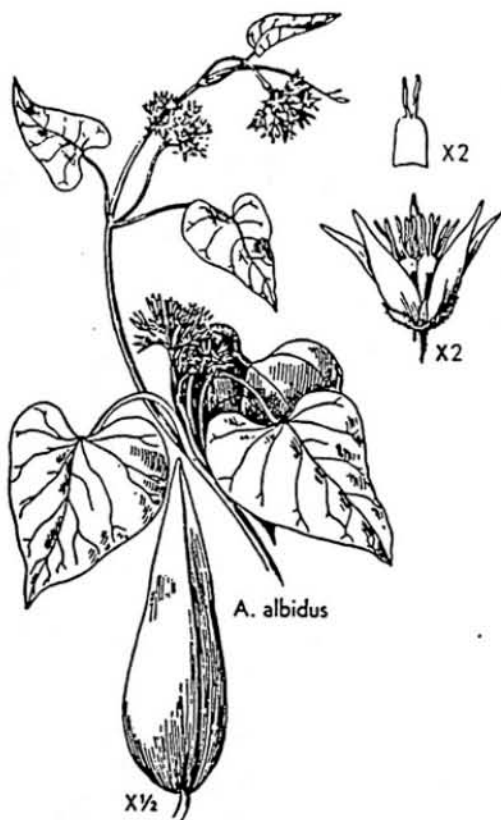


VINCETOXICUM
AMPELAMUS
MATELEA
NICOTIANA
NICANDRA
PHYSALIS



11. †*Asclepias viridiflora* Raf.

Green-flowered Milkweed

Stems erect; leaves mostly opposite, petiolate, variable in shape, lateral veins horizontal; corolla and hoods green or pale green; hoods about 4.0 mm long reaching middle or tip of anthers, sessile, without a crest or keel within; flowers lacking horns. Syn.: *Acerates viridiflora* (Raf.) Eaton

REFERENCES: Selby 1892a:110 (*Acerates viridiflora* Elliott, Georgesville, Werner); ODNr-DNAP 1996; Cooperrider 1995:321 (illus. p. 322).
HERBARIUM RECORDS: 1 Jul 1891—Big Darby Creek, Selby; 1 Jul 1891—Georgesville, Werner (CLM); 15 Jul 1892—Franklin Co. & Georgesville, Bogue; 5 Jul 1979—W-facing bluffs above Big Darby Creek, Darby Creek Metro Park just N of scenic lookout, W of Koebel-Suydam Rd., Pleasant Twp., Galloway Quad., Cusick 19462 (KE).

2. VINCETOXICUM Wolf Swallow-wort

Twining; leaves opposite or rarely whorled; blades ovate or lance-ovate; flowers small, in peduncled axillary clusters; corolla purple, longer than corona and stamens; fruit smooth; seeds comate. (Often incl. in *Cynanchum* L.)

1. **Vincetoxicum nigrum* (L.) Moench

Black Swallow-wort

Naturalized (native of S Europe)

Stems twining; leaf base rounded to subcordate; corolla purple to brown; fruit smooth. Along railroads. Syn.: *Cynanchum nigrum* (L.) Pers.

REFERENCE: Cooperrider 1995:323 (illus. p. 324).

HERBARIUM RECORD: 10 Aug 1969—along RR just E of Indianola Ave. a short distance S of Woodsfield Dr., Cols., McCabe.

3. AMPELAMUS Raf. Sandvine

Twining; leaves opposite, blades lance-ovate or ovate, cordate; flowers in peduncled axillary clusters; corolla white, about 6 mm long, corona about as long; fruit smooth; seeds comate.

1. *Ampelamus albidus* (Nutt.) Britton

Sand-vine, Honey-vine

Stems twining; leaf base deeply cordate; corolla white; fruit smooth. Thickets, riverbanks & fencerows. Syn.: *Cynanchum laeve* (Michx.) Pers., *Gonolobus laevis* Michx.

REFERENCE: Cooperrider 1995:323 (illus. p. 324).

HERBARIUM RECORDS: 24 Nov 1928—W bank of Scioto R., along RR embankment, S of Greenlawn Ave., Cols., Gordon; Sep 1929—along Olentangy R., OSU campus, Blaydes; 7 Dec 1931—Hague Ave., Cromwell Farm, Shetrone; 1 Aug 1973—Elmwood Ave. at 3rd Ave., Cols.-Grandview, Roberts 4060; 6 Sep 1986—Highbanks Metro Park (Delaware Co.), open field, Witsberger 929 (OS, OWU); 11 Aug 1989—Trabue Murphy Landing, along E bank of Scioto R., just S of Fishinger Rd. bridge, Perry Twp., Lowden 4268B; 24 Aug 1989—along RR tracks on Highland Dr., between Olentangy River Rd. & Kenny Rd., S of Henderson Rd., Clinton Twp., Lowden 4293; 31 Jul 1990—Whetstone to Northmoor Park, along E bank of Olentangy R., Clinton Twp., Lowden 4459; 9 Aug 1990—S side of Rt. 317, jct. Parsons Ave. & Big Walnut Creek, Hamilton Twp., Lowden 4543.

4. MATELEA Aubl. Angle-pod

Twining; leaves opposite, blades ovate to circular, deeply cordate; flowers in peduncled axillary cymes; corolla brown-purple, lobes narrow, much longer than corona and stamens; seeds comate. (*Gonolobus* Michx.)

1. †*Matelea obliqua* (Jacq.) Woodson

Angle-pod

Stems twining, hirsute; leaves ovate to orbicular, base cordate, petioles hirsute; corolla brown-purple; fruit spinulose. Syn.: *Gonolobus obliquus* (Jacq.) Roem. & Schult.

REFERENCES: Werner 1893:93 (*Gonolobus obliquus* R.Br., banks of Scioto R., 1892, Selby; near Georgesville, Hine); ODNr-DNAP 1996; Cooperrider 1995:323 (illus. p. 322).

HERBARIUM RECORDS: 15 Oct 1892—Scioto R., Selby; 14 Jul 1893—Fishinger's Mill, Cols., Selby (OS, WOOS); Oct 1907—Fishinger's Mills, Griggs; 1 Sep 1908—Fishinger's Mill, Griggs; 5 Jul 1979—Darby Creek Metro Park, 0.3 mi. W of Alkire Rd. & Koebel-Suydam Rd., open woods, Pleasant Twp., Galloway Quad., Cusick 19463 (KE).

SOLANACEAE, Nightshade Family

Herbs, shrubs, and woody vines; leaves alternate, simple to pinnately compound; flowers hypogynous, perfect, solitary or variously clustered; hypogynous disk often present; calyx 5-lobed or -cleft; corolla-margin almost entire to 5-lobed; stamens usually 5, on the corolla; carpels 2, united; locules usually 2, sometimes 3-5; style 1; fruit a berry or a capsule.

Tobacco (*Nicotiana tabacum* L., native of tropical America) rarely escapes from cultivation.

- a Shrubs with long branches or somewhat woody vines; flowers about 1.5 cm wide; berry about 1.5 cm long.
- b Blades entire; anthers dehiscent longitudinally; corolla salverform or funnelform, red-purple or greenish; flowers 1-few in each axil; berry red-orange. **5. LYCIUM**
- b' Some blades with basal lobes or leaflets; anthers opening by terminal slits or pores; corolla rotate, blue to purple, each petal with 2 greenish spots; flowers in clusters; berry red. **3. SOLANUM**
- a' Herbs, not vines.
- c Corolla funnelform, salverform, or tubular; fruit a capsule.
- d Calyx tubular, 4-10 cm long, half or nearly half as long as trumpet-shaped corolla, abscising just above base. **6. DATURA**
- d' Calyx 2 cm long or less, not abscising just above base.
- e Calyx 5-lobed; stamens of equal size. **NICOTIANA** L.
- e' Calyx deeply 5-parted; 1 stamen sometimes smaller. **7. PETUNIA**
- c' Corolla campanulate to rotate; fruit a berry, fleshy or nearly dry.
- f Corolla rotate, sometimes deflexed; anthers often connivent or connate.
- g Anthers longitudinally dehiscent, with projections beyond pollen-sacs; plants not prickly. **4. LYCOPERSICON**
- g' Anthers dehiscent by terminal slits or pores, without projections beyond pollen-sacs; plants sometimes prickly. **3. SOLANUM**
- f' Corolla not rotate; anthers neither connivent nor connate.
- h Corolla pale blue; calyx 5-parted, segments somewhat sagittate at base; ovary 3-5-loculed. **1. NICANDRA**
- h' Corolla yellow or white, sometimes with dark center; calyx 5-lobed, segments not sagittate at base; ovary 2-loculed. **2. PHYSALIS**

1. NICANDRA Adans. Apple-of-Peru

Leaf-blades sinuate-dentate; flowers axillary, solitary; corolla light blue, 2-2.5 cm wide and long, shallowly 5-lobed; locules of ovary 3-5; berry nearly dry, enclosed in bladdery calyx.

1. **Nicandra physalodes* (L.) Gaertn.

Apple-of-Peru

Adventive (native of Peru)

Plants herbaceous, stems glabrous; leaves simple, ovate, margins dentate to lobed; flowers solitary in axils; calyx inflated at maturity, lobes at base ovate-cordate and pointed; corolla blue, campanulate, 2-3 cm wide.

REFERENCES: Selby & Craig 1890:13 (*Nicandra physaloides* Gaertn., introduced); Cooperrider 1995:435 (illus. p. 437).

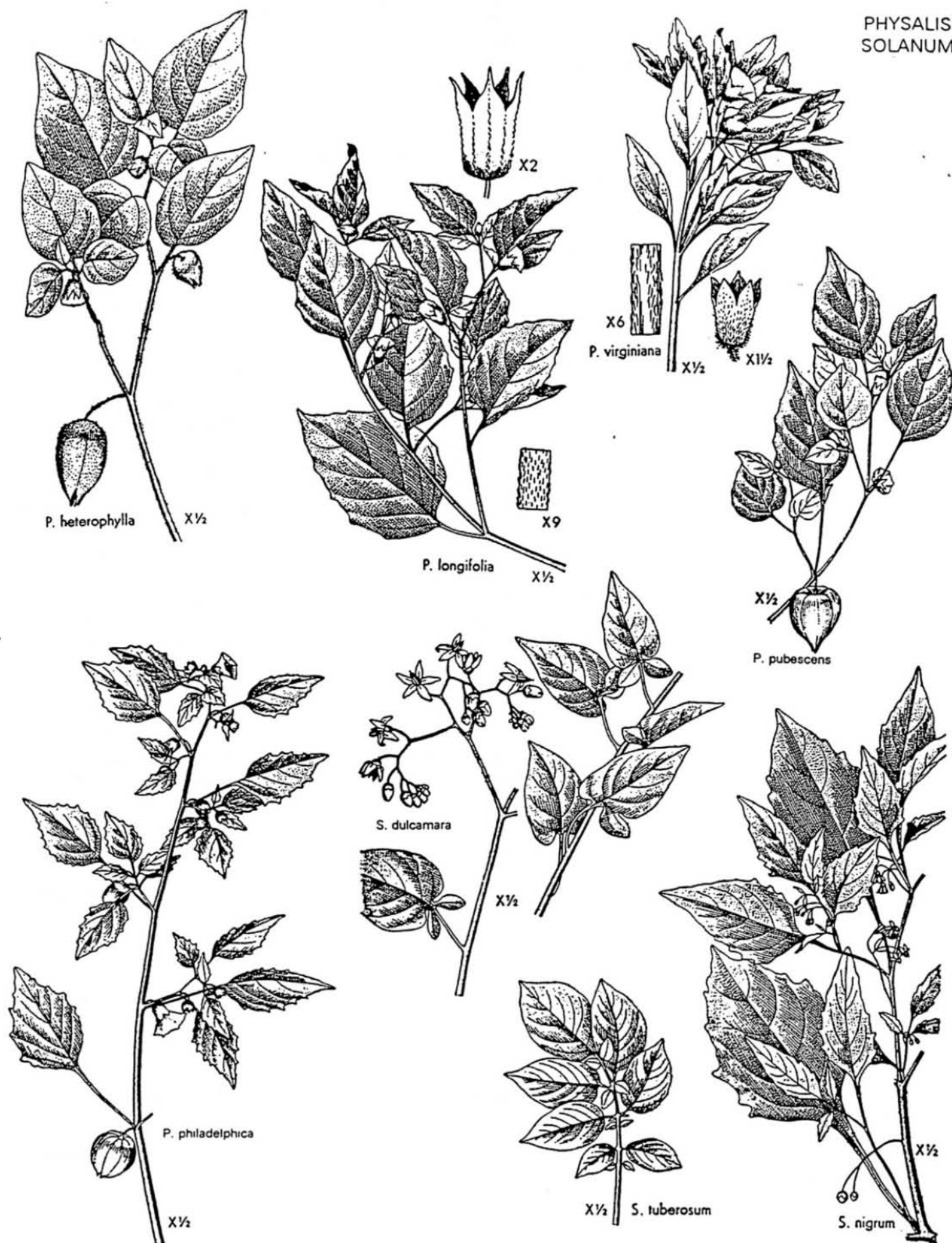
HERBARIUM RECORDS: 9 Sep 1898—Georgesville, Hine; 10 Oct 1898—Georgesville, W. Kellerman & Fullmer.

2. PHYSALIS L. Ground-cherry

Herbs; leaf-blades entire to sinuate-dentate; flowers solitary in axils; calyx 5-lobed; corolla rotate to campanulate, 5-lobed or -toothed; berry 2-loculed, enclosed in the much-enlarged calyx.

- a Corolla white or pale, slightly lobed; anthers yellow; berry red; fruiting calyx 3-5 cm long, red. **1. P. alkekengi**
- a' Corolla yellow or greenish-yellow, sometimes with dark center, fruiting calyx green, veins sometimes red or purple.
- b Annual; filaments slender; peduncles in anthesis mostly 1 cm long or less.
- c Stem glabrous or with short appressed hairs; calyx purple-veined, filled at maturity by the viscid purple berry. **6. P. philadelphica**
- c' Stem densely pubescent or villous; berry yellow at maturity. **5. P. pubescens**,

PHYSALIS
SOLANUM



- d Plant gray-green because of dense, partly glandular, pubescence; blades with sinuate-dentate margin, var. *grisea*
- d' Plant green, villous, hairs without glands; blades often entire toward base, var. *integrifolia*
- b' Perennial; filaments wide and flat; peduncles in anthesis mostly 1-2 cm long.
- e Calyx hairy only on the nerves; stem glabrous or hairs ascending; leaves glabrous or sparsely hairy.
- 3. *P. longifolia*
- e' Calyx hairy over whole surface; stem and leaves hairy.
- f Hairs of stem short, terete, glandular, or long, flattened, jointed, or the 2 kinds mixed; blades rounded or subcordate. 2. *P. heterophylla*
- f' Hairs of stem not glandular, rather sparse; blades usually tapering to base and decurrent on petiole.
- 4. *P. virginiana*

1. **Physalis alkekengi* L.

Chinese Lantern

Adventive (native of Eurasia)

Plants herbaceous, stems glabrous; leaves simple, unlobed; calyx reddish-orange, papery, and inflated at maturity; corolla white.

REFERENCES: Craig 1890:54 (Strawberry Tomato, University Farm Oct 1887); Cooperrider 1995:435.

HERBARIUM RECORD: 19 Aug 1913—Cols., J. H. Schaffner.

2. *Physalis heterophylla* Nees

Clammy Ground-cherry

Plants herbaceous, viscid, with numerous spreading glandular hairs; calyx green and inflated at maturity; corolla yellow-green; fruiting pedicels about 1 cm long at maturity; filaments dark, flat and broad.

REFERENCES: Riddell 1834:157 (*Physalis pennsylvanica*, bottomland); Sullivan 1840:39 (*Physalis viscosa* L.); Craig 1890:92 (*Physalis viscosa* L., common on the campus SE of the college, 9 Jul 1882, 23 Jun 1888, 5 Jun 1889); Cooperrider 1995:435 (illus. p. 434).

HERBARIUM RECORDS: 1892—Cols., Bogue; 31 May 1896—Cols., E. M. Wilcox; 19 Aug 1913—Cols., J. H. Schaffner; 26 Jun 1991—rocky E bank of Scioto R., just S of Fishinger Rd. bridge, Perry Twp., Lowden 4745.

NOTE: Maybe Riddell 1834:157 (*Physalis obscura*, bottomland) belongs here.

3. *Physalis longifolia* Nutt. var. *subglabrata* (Mack. & Bush) Cronquist

Smooth Ground-cherry

Upper internodes of stem and pedicels with hairs appressed and ascending; leaves ovate to broadly lanceolate, shallowly toothed; leaf blades glabrous below except for hairs along the veins; fruiting pedicels more than 1 cm long; calyx tube pubescent only along veins; corolla yellow with purple-brown center; filaments broad and flat. Syn.: *P. subglabrata* Mack. & Bush

REFERENCES: Craig 1890:92 (*Physalis philadelphica* Lam., in dry pastures and on the campus, 4 Aug 1882); Selby & Craig 1890:13, 19 (*Physalis lanceolata* Michx.); Kellerman & Werner 1893:226 (*Physalis philadelphica* Lam. should read *Physalis lanceolata* Michx.); Cooperrider 1995:433 (illus. p. 434).

HERBARIUM RECORDS: 8 Aug 1882—University campus, Cols., Devol; 7 Jul 1892—Cols., Bogue; 12 Jul 1986—W bank of the Olentangy R., just N of the Dodridge St. bridge, mesic forest on floodplain, T. Lammers & Spooner 5954; 16 Jul 1986—Highbanks Metro Park (Delaware Co.), woods & field, Watts 315 (OWU); 26 Jun 1991—E bank of Scioto R., along rocky bank just S of Fishinger Rd. bridge, Perry Twp., Lowden 4744.

4. *†Physalis virginiana* Mill.

Virginia Ground-cherry

REFERENCE: Selby & Craig 1890:13

NOTE: No specimens seen from Franklin Co. Not mapped for Franklin Co. by Cooperrider 1995:433 (illus. p. 434).

5. **Physalis pubescens* L.

Downy Ground-cherry

Adventive (native of Ohio)

REFERENCE: Cooperrider 1995:432 (illus. p. 434).

Two varieties are recognized:

†var. *grisea* Waterf.

Leaves dentate; upper internodes, petioles, and undersurface of leaves gray-pubescent; fruiting pedicels less than 1 cm long; corolla yellow, center dark; filaments slender. Syn.: *P. pruinosa* L.

REFERENCE: Jones 1943:101.

HERBARIUM RECORD: 19 Aug 1913—Cols., escaped, J. H. Schaffner.

var. *integrifolia* (Dunal) Waterf.

Similar to *Physalis pubescens* L. var. *grisea* except that the leaves are entire and the pubescence is not gray.

HERBARIUM RECORD: 1891—Cols., Selby.

6. **Physalis philadelphica* Lam.

Tomatillo

Adventive (native of Mexico)

Plants herbaceous, stems nearly glabrous; leaves simple, unlobed; pedicels at anthesis 3-6 mm long, slightly longer in fruit; calyx green and inflated at maturity; corolla yellow. Syn.: *P. ixocarpa* Brot. ex Hornem.

REFERENCE: Cooperrider 1995:431.

HERBARIUM RECORDS: 19 Aug 1913—Cols., escaped, *J. H. Schaffner*; 11 Oct 1913—Cols., escaped, *J. H. Schaffner*; 23 Jun 1926—Cols., *J. H. Schaffner*; Oct 1926—OSU, persistent after cultivation, Cols., *J. H. Schaffner*.

3. SOLANUM L. Nightshade, Potato

Herbs and woody vines; corolla rotate, limb plaited, lobes 5; anthers sometimes connate or connivent around the style, dehiscent by terminal slits or pores; berry globose or ovoid, many-seeded, usually 2-loculed.

a Plants prickly or stellate-pubescent or both.

b Corolla yellow; calyx very prickly; lower anther largest. 4. *S. rostratum*

b' Corolla blue, violet, or white; calyx not or little prickly; anthers equal. 5. *S. carolinense*

a' Plants not prickly, not stellate-pubescent.

c Stem climbing, somewhat woody; some blades lobed; corolla blue or purple; berry red. 1. *S. dulcamara*

c' Stems not climbing, herbaceous.

d Blades pinnately compound; corolla blue or white. 3. *S. tuberosum*

d' Blades entire or sinuate-dentate; corolla white; berry black. 2. *S. nigrum*

1. **Solanum dulcamara* L.

Bittersweet Nightshade, Bittersweet, Deadly Nightshade

Naturalized (native of Eurasia)

Plants somewhat woody at base, scrambling or climbing; stems and leaves not spiny and prickly; leaves unlobed or more often lobed at base; corolla rotate, blue to purple; anthers bright yellow, forming a cone around the style; berries red. Plants weedy and poisonous.

REFERENCES: Riddell 1834:157 (roadsides, naturalized; doubt to correctness in the Natural System); Sullivant 1840:39 (naturalized plants); Craig 1890:54, 92 (near the lake, along the brook, and on the island, but is not common, 3 Jun 1884, 22 May 1887, 9 Jun 1888, University Farm Sep & Oct 1887); Selby & Craig 1890:13 (introduced); Cooperrider 1995:428 (illus. p. 430).

HERBARIUM RECORDS: 30 May 1896—Reservoir Park, *M. Wright*; Summer 1938—OSU Botanical Garden, *C. Jones*; 11 Sep 1971—W of OSU campus along Olentangy R. near Tower Dorms & Battelle, Cols., *Roberts* 2052; 19 May 1974—OSU Botany Garden, Cols., *D. Johnson*; 22 May 1982—941 E. 15th Ave., Cols., *D. Wilson* 49; 4 Jun 1982—Blendon Woods, *Owens*; 3 & 12 Nov 1984—Gahanna Woods State Nature Preserve, *Tyrrell*; 7 May 1985—W side of Neil Ave. between 8th & 9th, Cols., *Crowell*; 25 Apr 1986—4 blks. N of Worthington High School Environmental Bldg., off of Rt. 161, W side of bike trail, *Benkowski* 13; 11 May 1986—141 E. 12th Ave., E of Indianola St., Cols., *Hollander* 030; 11 May 1986—106 W. Patterson Ave., Cols., *Cooperband* 66; 12 May 1986—138 E. Maynard Ave., Cols., *Kaiser* 138; 15 May 1986—1 blk. E & 1 blk. N of Worthington High School Environmental Bldg., off Rt. 161, *Benkowski* 23; 16 May 1986—along Neil Ave. between 9th Ave. & 10th Ave., *Taylor-Lehman* 50; 21 May 1986—Park of Roses, Cols., *Blanco*; 25 May 1986—across from SE corner of Riverview Park Dr. & Rustic Bridge Dr., Cols., *R. Burnes* 41; 27 May 1986—174 Clinton Hts., Cols., *Di Sabato-Aust* 48; 15 May 1988—alley between E. Patterson Ave. & Oakland Ave., near Indianola, Cols., *Kelly* 10; 17 May 1988—30 feet from Cannon Dr., W of Morrill Tower, OSU, *Chinery* 45; 17 May 1988—W side of Cannon Dr., OSU campus, *Gerberick* 34; 18 May 1988—vacant lot between 5921-5945 N. High St., Worthington, 1 mi. S of Rt. 161 & Rt. 23 intersection, *M. Hoffman* 68; Summer 1988—OSU campus, along Olentangy R., Cols., *DeLong*; 6 Jun 1989—Olentangy River Rd. entrance to Highland Dr., S of Henderson Rd., Clinton Twp., Cols., *Lowden* 4107.

2. *Solanum nigrum* L.

Black Nightshade, Common Nightshade

Stems and leaves without spines and prickles; leaves unlobed, entire to shallowly toothed, sometimes purple beneath; corolla rotate, white, fading bluish; anthers yellow; berries black. Plants poisonous. Incl. *Solanum americanum* Mill., probably misapplied, and *Solanum ptycanthum* Dunal

REFERENCES: Riddell 1834:157 (roadsides); Sullivant 1840:39; Craig 1890:54, 92 (frequent on the campus N of horticultural hall, and elsewhere, 9 Jul 1882, 10 Jun 1887, 9 Jul 1888, University Farm Sep 1887); Selby & Craig 1890:13; Cooperrider 1995:429 (illus. p. 430).

HERBARIUM RECORDS: Jul 1888—Cols., *Craig*; 24 Jul 1890—Cols., *Hine*; 24 Jul 1891—OSU, near Cols., *Hine*; 14 Jul 1892—Cols., *Bogue*; 2 Aug 1982—Highbanks Metro Park (Franklin & Delaware Cos.), riverbank, *G. Moore* 304 & 305; 30 Aug 1982—Blendon Woods, *Owens*; 10 Jul 1986—OSU campus, banks of Olentangy R., *E. King* 8; 2 Oct 1987—W bank of Olentangy R., N of Lane Ave. bridge, Cols., *T. Lammers & Stuckey* 6194; Summer 1988—along Big Darby Creek between I-70 & Little Darby Creek, *DeLong*; 14 Jun 1989—OSU campus, behind B&Z Bldg., Cols., *Lowden* 4192; 18 Sep 1989—Highbanks Metro Park (Franklin/Delaware Co. line), base of bluffs, *Watts* 498 (OS, OWU); 5 Jul 1991—E bank of Olentangy R., OSU campus, between Lane Ave. & King Ave., Cols., Clinton Twp., *Lowden* 4760; 10 Sep 1991—E bank of Big Darby Creek off Rt. 40, Prairie Twp., *Lowden* 4816.

3. **Solanum tuberosum* L.

Potato, Irish Potato

Adventive (introduced from W South America)

SOLANUM
LYCOPERSICON
LYCIUM



Stem wing-angled; leaves pinnately compound, hairs simple; corolla rotate, whitish, purple tinged; berries yellow to green. Sprouts and green parts poisonous.

REFERENCE: Cooperrider 1995:429.

HERBARIUM RECORDS: Jun 1909—Franklin Co., cult. A. Crane; 14 Jun 1919—persistent for a year and coming up in abandoned field, near Cols., J. H. Schaffner.

4. *Solanum rostratum* Dunal

Buffalo-bur

Naturalized (native to the Great Plains)

Plants prickly, stellate-pubescent; leaves deeply pinnately lobed; corolla rotate, yellow; calyx very prickly; lower anther the largest.

REFERENCES: Selby & Craig 1890:13 (introduced from western states); Lazenby 1891:302; Selby 1891a:111; Selby 1891b:75-76; Selby 1891c:149; Selby 1892b:163; Cooperrider 1995:431 (illus. p. 430).

HERBARIUM RECORDS: 189—Worthington, Landacre; 26 Aug 1890—Sellsville, Selby (WOOS); 25 Oct 1890—Sellsville, introduced from the west, Wilcox & Green; 31 Oct 1890—Sells grounds near Cols., E. V. Wilcox; Aug 1891—Cols., Werner (CLM); 26 Aug 1891—Sellsville, Selby; Sep 1891—Sellsville, Cols., E. M. Wilcox; Sep 1891—near Cols., E. M. Wilcox; 25 Sep 1897—OSU campus, Cols., Tyler; Sep 1898—Cols., Tyler; 11 Jul 1902—OSU Bot. Garden, Cols., W. Kellerman; 9 Aug 1905—OSU campus, Fischer; 18 Sep 1929—Cols., J. H. Schaffner.

5. *Solanum carolinense* L.

Horse-nettle

Plants green prickly to spiny, stellate-pubescent; hairs 4-8-rayed; blades large-toothed or shallowly lobed, midrib spiny; corolla rotate, violet to whitish; berries yellow. Poisonous.

REFERENCES: Selby & Craig 1890:13 (introduced); Cooperrider 1995:429 (illus. p. 430).

HERBARIUM RECORDS: 1837—Cols., J. Paddock Collection, I. G. Jones (ILL); 26 Oct 1890—Central Stock Yards, Cols., Selby; 16 Aug 1892—Cols., Bogue; 7 Sep 1899—Worthington, Selby; 28 Jun 1968—SW corner of Kenny Rd. & Trouville Pl. intersection, Perry Twp., Moser; 1 Jul 1982—Blendon Woods, open & disturbed areas, Owens; 16 Jul 1986—Highbanks Metro Park (Delaware Co.), field, Watts 320 (OWU); 19 Jul 1989—Antrim Lake, E of Rt. 315, N Cols., Sharon Twp., Lowden 4217; 11 Aug 1989—E bank of Scioto R., just S of Fishinger Rd. bridge, Perry Twp., Lowden 4279; 10 Jul 1990—Antrim Lake, E of Rt. 315, N Cols., Sharon Twp., Lowden 4432.

4. LYCOPERSICON Mill. Tomato

Large, hairy, viscid; leaf-blades pinnate; corolla yellow, 1-2 cm wide, rotate; anthers connivent in a cone, each with a projection beyond the pollen-sac; fruit a berry, number of locules variable.

1. *Lycopersicon esculentum* Mill.

Tomato

Adventive (native to the Andes)

Plant herbaceous; stems clammy-pubescent; leaves once or twice pinnately compound; corolla yellow; berry red or yellow, juicy and edible.

REFERENCE: Cooperrider 1995:431.

HERBARIUM RECORDS: 18 Jul 1901—Cols., W. Kellerman; 5 Jul 1991—E bank of Olentangy R., OSU campus, between Lane Ave. & King Ave., Clinton Twp., Lowden 4764; 23 Sep 1991—E bank of Scioto R., just N of I-270, Hamilton Twp., SW Cols. Quad., McCormac 4356.

5. LYCIUM L. Matrimony Vine

Shrub with long branches, sometimes a vine, sometimes with thorns; blades lanceolate, entire; often tufts of leaves on short stems in axils; flowers axillary, solitary or clustered; corolla purplish; berry orange-red.

1. *Lycium barbarum* L.

Common Matrimony-vine

Naturalized (native of Eurasia)

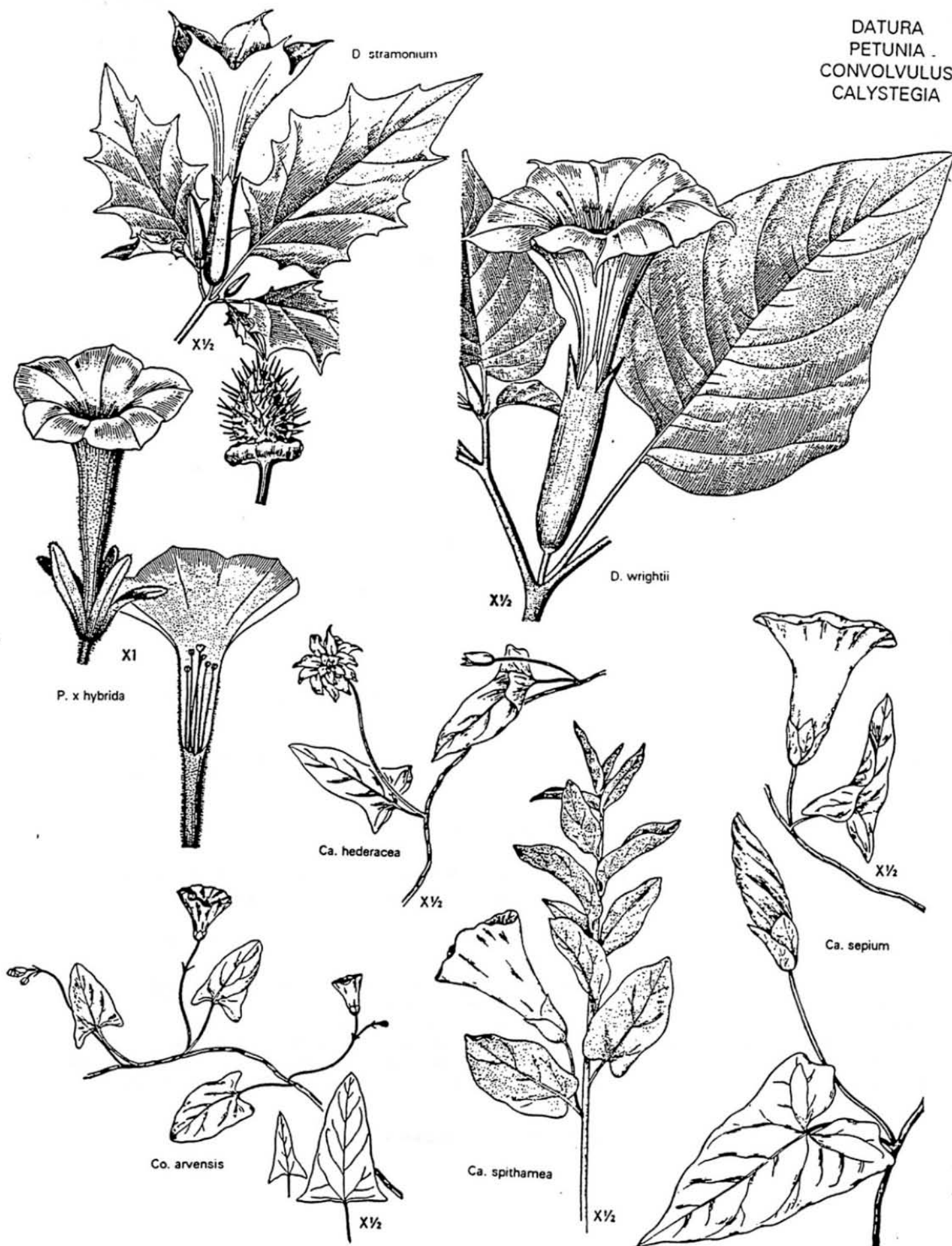
Shrubby woody vine, branches spiny, scrambling or climbing; leaves simple, short petiolate; blades lanceolate to ovate, margins entire; corolla funnelform, cream to dull pink or purple. Syn.: *L. halimifolium* Mill.

REFERENCES: Selby & Craig 1890:13 (*Lycium vulgare* Dunal, introduced); Cooperrider 1995:436 (illus. p. 437).

HERBARIUM RECORDS: [ca. 1890s]—Georgesville, Selby; 17 Aug 1890—Cols., roadside, Werner; 20 Aug 1972—W side of RR tracks just N of Kinnear Rd. crossing before first track spur exits, prostrate on gravel slope, Cols., Mossman 1116; 9 Jun 1988—Franklinton Cemetery, River St., weedy thickets, SW Cols. Quad., Cusick 27484 (MU); 22 Sep 1991—corner of Ohlen St. & E. 11th Ave., Cols., Clinton Twp., Lowden 4857.

6. DATURA L. Jimson-weed

DATURA
PETUNIA
CONVOLVULUS
CALYSTEGIA



Coarse herbs; blades ovate, entire to sinuate-dentate or lobed; calyx tubular, 5-toothed, soon abscising crosswise, base remaining; corolla white to violet, funnelform, toothed or shallowly lobed; ovary 4-loculed.

- a Glabrous; corolla to 1 dm long; capsule prickly or smooth. 1. *D. stramonium*
a' Pubescent; corolla to 2 dm long; capsule prickly. 2. *D. wrightii*

1. **Datura stramonium* L.

Jimson-weed, Thorn Apple

Naturalized (native to warmer parts of New World)

Plants herbaceous, leaves coarsely toothed; stems and undersurface of leaves nearly glabrous; corolla funnelform, white to purple, less than 10 cm long; capsules erect, spiny. Incl. *D. tatula* L.

REFERENCES: Riddell 1834:157 (roadsides); Sullivant 1840:39 (Jamestown weed, naturalized plants); Craig 1890:54, 92 (#280 & 281, common along the brook and in waste places, 15 Jun 1887; University Farm Sep & Oct 1887; near the barn and on the island, 20 Jun 1888); Selby & Craig 1890:13 (#562 & 563, introduced); Cooperrider 1995:438 (illus. p. 437).

HERBARIUM RECORDS: 13 Jul 1892—Cols., *Bogue*; 4 Aug 1892—near Cols., *E. M. Wilcox*; 29 Aug 1892—Cols., *Bogue*; 25 Jul 1923—Franklin Co., *J. H. Schaffner*, Sep 1925—Cols., escaped from cultivation, *J. H. Schaffner*, 9 Jul 1982—Blendon Woods, disturbed areas, *Owens*; 8 Sep 1982—Highbanks Metro Park (Franklin & Delaware Cos.), riverbank, *G. Moore 303*; 15 Jul 1988—Highbanks Metro Park (Delaware Co.), Olentangy R. sandbars, *Watts 445* (OWU); 8 Aug 1990—jct. of Amity Rd. with Scioto Darby Creek Rd., abandoned field along N side of Scioto Darby Creek Rd., Brown Twp., *Lowden 4521*; 22 Sep 1991—W. Long St., just E of Confluence Park, Montgomery Twp., *Lowden 4855*.

2. **Datura wrightii* Regel

Downy Thorn-apple, Angel's-trumpet

Adventive (native of SW U.S. & Mexico)

Plants herbaceous, leaf margin entire; stems and upper surface of leaves short-pubescent; corolla funnelform, very long, approx. 15 cm; capsule nodding, spiny. Syn.: *D. inoxia* Mill.; incl. *D. meteloides* Dunal

REFERENCE: Cooperrider 1995:436.

HERBARIUM RECORD: 23 Jul 1923—Cols., *J. H. Schaffner*.

7. PETUNIA Juss.

Herb, clammy-pubescent; leaves alternate; calyx deeply parted to below the middle, lobes often unequal; corolla funnelform to salverform, shallowly 5-lobed; stamens inserted at or below the middle of the corolla tube; capsule many-seeded.

1. **Petunia × hybrida* Vilm.

Garden Petunia

Adventive (American)

Plants herbaceous, with clammy, viscid pubescence; calyx more than 1 cm long, lobed nearly to base; corolla of various colors, approx. 6 cm long. Commonly cultivated.

REFERENCE: Cooperrider 1995:438 (illus. p. 437).

HERBARIUM RECORD: Aug 1891—RR yards, near Cols., *E. M. Wilcox*.

CONVOLVULACEAE, Morning-glory Family

Herbs, usually trailing or twining, sometimes with milky juice; leaves alternate, simple (rarely deeply divided); flowers hypogynous, bisporangiate; sepals 5, usually separate; corolla regular, with 5 lobes or plaits; stamens 5, on corolla tube; hypogynous disk usually present; carpels 2 or 3, united, locules as many or twice as many as result of false septum in each carpel; fruit a capsule.

- a Stigmas 2, oblong or linear; calyx subtended by 2 large bracts, or 2 small bracts on flower-stalk some distance below flower.
b Calyx not subtended by bracts; peduncle with 2 small bracts; corolla about 2 cm long. 1. CONVOLVULUS
b' Calyx subtended by and enclosed by 2 bracts. 2. CALYSTEGIA
a' Stigma capitate or with 2-3 lobes, the lobes globular; calyx not subtended by bracts. 3. IPOMOEA

1. CONVOLVULUS L. Bindweed